

Appendix C: EAP CV

Wouter Jordaan

Associate Partner and Principal Scientist



Profession

Environmental Science, Impact and Risk Assessment
Environmental Auditing (Sustainability, EMS, Compliance and Due Diligence)

Education

Aspects International ISO14001 Auditors Course, Associate Auditor, Institute of Environmental Management and Assessment (IEMA), 2005
BONSUCRO Level 3 Course (2016) – Lead Auditor
BSc (Hons), Geography & Environmental Management, University of Johannesburg (UJ), 1999
BSc, Earth Sciences, Geography & Zoology, University of Johannesburg (UJ), 1998

**Registrations/
Affiliations**

Registered Professional Natural Scientist (Pr. Sci. Nat) 400157/09 with the South African Council for Natural Scientific Professions (SACNASP).
Member of the International Association for Impact Assessment (IAIA) – South African Chapter
BONSUCRO Lead Auditor

Specialisation

Project management of complex environmental impact assessments for industrial developments and the oil and energy sector; environmental liability assessment, review and due diligence; environmental compliance auditing; Section 30 environmental emergency incident management; closure and rehabilitation planning; geographic information systems (GIS) and remote sensing; visual impact assessment (VIA)

Expertise

Wouter has over 14 years of experience in the fields of Environmental Science and GIS. He specialises in environmental due diligence, review and impact and risk assessment for industrial developments, notably the oil and energy, cement, fertilisers, chemical and acids, and paper manufacturing sectors. He has worked in numerous countries including Democratic Republic of Congo (DRC), Botswana, Namibia, Kenya, Swaziland, Tanzania, Russia and South Africa.

His specific expertise includes:

- environmental liability assessments, reviews and due diligence.
- environmental impact assessments (EIAs) with specialisation in industrial development (cement, fertiliser, paper, chemicals, oil), waste and energy.
- project management and advice on Section 30 NEMA emergency incidents.
- closure cost estimation and rehabilitation planning.
- environmental compliance auditing and monitoring.
- spatial analysis and decision making using geographic information systems (GIS) and remote sensing.
- visual impact assessment report (VIA) report peer review.
- crime prevention through environmental design (CPTED).

Employment

Current Position

SRK Consulting (SA) (Pty) Ltd – Associate Partner, Durban
2013 – 2015 SRK Consulting (SA) (Pty) Ltd - Principal Environmental Scientist
2007 – 2012 SRK Consulting (SA) (Pty) Ltd - Senior Environmental Scientist,
2003 – 2007 SRK Consulting (SA) (Pty) Ltd - Environmental Scientist
2001 – 2003 Knowledge Factory Primedia (Pty) Ltd. - GIS Analyst
2000 – 2001 Hellermann Tyton, Quality Systems (Part-Time)

Languages

English – read, write, speak
Afrikaans – read, write, speak

Wouter Jordaan

Associate Partner and Principal Scientist

Key Experience: Environmental due diligence and liability assessments

Location:	Zanzibar, Tanzania
Project duration & year:	3 Months, Dec 2015 - Feb 2016
Client:	Confidential
Name of Project:	Environmental and Social Due Diligence for a production facility for an agribusiness in Tanzania
Project Description:	Environmental and Social Due Diligence to determine potential material historical and existing environmental and social liabilities and risks associated with an agribusiness in Tanzania to inform a loan agreement according to IFC Performance Standards and GIIP
Job Title and Duties:	Principal Environmental Scientist: Site Reconnaissance, Interviews with Government Officials and community leaders, GIIP and IFC benchmarking, Reporting and Environmental and Social Action Plan
Location:	Pietermaritzburg
Project duration & year:	2016
Client:	Confidential
Name of Project:	Environmental, Health and Safety Site Assessment for an agribusiness acquisition
Project Description:	Environmental Due Diligence in accordance with ASTM Standard E1527-13 for an agribusiness acquisition
Job Title and Duties:	Project Manager, Client Liason and Report Review
Location:	Jacobs, Durban
Project duration & year:	2 Months, Dec 2015 - Jan2016
Client:	Confidential
Name of Project:	Environmental, Health and Safety (EHS) Due Diligence for the targeted acquisition of a chemicals manufacturing facility
Project Description:	Due Diligence to determine potential material Environmental, Health and Safety liabilities associated with a targeted acquisition of a chemical manufacturing facility in South Durban
Job Title and Duties:	Principal Environmental Scientist: Review of EHS authorisations, permits and licences, historical report and document review, calculation of material liabilities, reporting
Location:	Nairobi, Kenya
Project duration & year:	2014 (2 months)
Client:	Confidential
Name of Project:	Environmental Due Diligence
Project Description:	Environmental and Health and Safety Due Diligence of a chemicals manufacturer
Job Title and Duties:	Principal Scientist, Environmental review, site and historical data assessment, Reporting
Value of Project:	Confidential
Location:	Richards Bay, KwaZulu-Natal
Project duration & year:	2012-2014
Client:	Hulamin Limited
Name of Project:	Environmental risk assessment and closure cost review for the BHP Billiton Bayside Aluminium Smelter
Project Description:	Environmental risk assessment and closure cost review for the Bayside Aluminium Smelter as part of Hulamin's bid for the Bayside Cast House
Job Title and Duties:	Principal Scientist. Information review and assessment, client liaison and reporting
Value of Project:	Confidential

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Location:	Otjikoto, Namibia
Project duration & year:	1 Month, 2013
Client:	Macquarie Metals and Energy Capital Ltd (Canada)
Name of Project:	Due diligence review of a mine in Namibia
Project Description:	Due diligence review of the environmental, social and security aspects of a Mine in Namibia as part of a financing arrangement
Job Title and Duties:	Principal Scientist, site visit, interviews, information review and assessment, reporting
Value of Project:	Confidential
Location:	KwaZulu-Natal, South Africa
Project duration & year:	1 Month
Client:	Confidential
Name of Project:	Liability assessment of an animal feed manufacturer in Umbogintwini, KwaZulu-Natal, South Africa
Project Description:	Assess and provide an opinion on potential environmental liabilities associated with the site to inform a prospective transaction
Job Title and Duties:	Senior Scientist. Site visit and reporting
Value of Project:	Confidential
Location:	Prospecton, South-Durban, KwaZulu-Natal
Project duration & year:	4 Months. 2013
Client:	Toyota South Africa Motors (TSAM)
Name of Project:	Proposed expansion of the vehicle production line at Prospecton
Project Description:	Legal review and liability assessment for a proposed expansion of the vehicle production line
Job Title and Duties:	Principal Scientist. Review legal opinion, meetings with authorities at all levels, obtain a revised legal opinion, compile a technical paper for authority perusal, discuss procedural requirements with Toyota Motors Japan, obtain confirmation from authorities
Value of Project:	Confidential

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Key Experience: Section 30 NEMA Incident Management

Location: Mahogany Ridge, Pinetown, KwaZulu-Natal
 Project duration & year: 4 Months
 Client: Stobel Warehousing and Deliveries cc
 Name of Project: Stobel warehouse fire and pollution Section 30 Emergency Incident
 Project Description: Assisting Stobel to comply with compliance directives issued by various authorities in response to a chemical spill into the Umbilo River as a result of a fire at the Stobel Warehouse in Mahogany Ridge
 Job Title and Duties: Project Manager, Section 30 Reporting, specialist management and interaction with various Environmental Authorities
 Value of Project: Confidential

Location: Cato Ridge, KwaZulu-Natal
 Project duration & year: 2013, 2 months
 Client: Safal Steel Pty. Ltd
 Name of Project: Section 30 Incident: Iron Oxide Spill
 Project Description: Assisting Safal to report and manage an iron oxide spill in terms of Section 30 of NEMA
 Job Title and Duties: Project Manager
 Value of Project: Undisclosed

Key Experience: Environmental Impact Assessment

Location: Fairbreeze, Mtunzini, KwaZulu-Natal
 Project duration & year: 24 Months, January 2016 – December 2017
 Client: Tronox (KZN Sands) (Pty) Ltd.
 Name of Project: Environmental Impact Assessment for the proposed expansion of the Mega Sabeka Tailings Storage Facility (TSF) on the Everglades Farm, Fairbreeze, KwaZulu-Natal.
 Project Description: Environmental Impact Assessment, updating of previous specialist studies, updating the EMPr, application for an amendment to the existing Water Use Licence (WUL)
 Job Title and Duties: Project Manager and Reviewer
 Value of Project: Undisclosed

Location: Simuma, Port Shepstone
 Project duration & year: 2013-2015 (Current)
 Client: NPC Cimpor
 Name of Project: The use of waste as Alternative Fuel Resources (AFR) and Alternative Raw Materials (ARM) in cement kilns to substitute the use of coal and traditionally mined raw materials, which are non-renewable resources
 Project Description: EIA, Waste Management Licence Application (WML) and Atmospheric Emissions Licence (AEL) amendment
 Job Title and Duties: Project Manager, Reporting and Client Liaison
 Value of Project: >R1 000 000

Location: Margate, KwaZulu-Natal
 Project duration & year: 2014-2015, Ongoing (~14 months)
 Client: South Coast Stone Crushers (SCSC), a division of NPC
 Name of Project: EMPR Revision and Amendment application for the South Coast Stone Crushers Mining Right
 Project Description: EMPR Revision for the existing South Coast Stone Crushers Quarry mining right including undertaking an assessment of an additional mining area and EMPr to DMR in terms of the 2014 NEMA Regulations
 Job Title and Duties: Project Manager
 Value of Project: >R100 000

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Location:	Enstra, Springs, Gauteng
Project duration & year:	2014-2015 (Current)
Client:	Sappi South Africa
Name of Project:	Installation of a waste water pipeline from the Welgedacht Waste Water Treatment Works to the Sappi Enstra Mill.
Project Description:	Emergency Basic Assessment and Water Use Licence (WUL) for the construction of a Waste Water Pipeline
Job Title and Duties:	Principal Scientist, Project Manager
Value of Project:	R450 000
Location:	Hammersdale, Kwazulu-Natal
Project duration & year:	2013, 3 months
Client:	Sterkspruit Aggregates, a division of NPC
Name of Project:	EMPR Revision and Amendment for the Sterkspruit Quarry
Project Description:	EMPR Revision for the existing Sterkspruit Quarry, assessment of an additional mining right area and EMPR Amendment Report to DMR in terms of the MPRDA
Job Title and Duties:	Project Manager
Value of Project:	Confidential
Location:	Rustenburg
Project duration & year:	12 Months, 2014
Client:	Royal Bafokeng Platinum
Name of Project:	Proposed Relocation of a 88 kV Powerline and Associated Infrastructure for the Styldrift Mining Complex, Rustenburg, North West Province
Project Description:	Basic Assessment
Job Title and Duties:	Principal Scientist, Report Review and coordination
Value of Project:	Confidential
Location:	Rustenburg
Project duration & year:	12 Months, 2014
Client:	Royal Bafokeng Platinum
Name of Project:	Basic Assessment for the Proposed Above Ground and Underground Storage of Dangerous Goods and Rehabilitation of the Access Road Bridge River Crossing, Rustenburg, North West Province
Project Description:	Basic Assessment
Job Title and Duties:	Principal Scientist, Report Review and coordination
Value of Project:	Confidential
Location:	Northern KwaZulu-Natal
Project duration & year:	2010-2014
Client:	Eskom Holdings (SOC) Limited
Name of Project:	Environmental Impact Assessment for the construction of a new 120 km 132kV power line network from the existing Candover Substation to the proposed Mbazwana and Manguzi substations on the Makhathini Flats of KwaZulu-Natal
Project Description:	Environmental Impact Assessment
Job Title and Duties:	Principal Scientist, Project Manager, Review and Client Liaison
Value of Project:	ZAR ~800 000
Location:	Richards Bay, KwaZulu-Natal, South Africa
Project duration & year:	2011-2012
Client:	Foskor (SOC) Ltd.
Name of Project:	The construction of a new 50 000tpa urea phosphate, mono-ammonium phosphate, mono/di-calcium phosphate facility, including a phosphoric acid defluorination facility
Project Description:	Integrated Environmental Impact Assessment and Atmospheric Emissions Licence for the construction of a new 50 000tpa urea phosphate, mono-ammonium phosphate, mono/di-calcium phosphate facility, including a defluorinated phosphoric acid manufacturing facility
	Project Manager, client liaison, public meeting facilitation and assessment

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Job Title and Duties:	reporting ZAR100 million (Project Value)
Value of Project:	
Location:	Industrial Development Zone (IDZ) 1A, Richards Bay, South Africa
Project duration & year:	2011-2012
Client:	Acapulco Trade and Invest (Pty) Ltd.
Name of Project:	Construction and operation of a new nitrogen enhanced organic fertiliser plant on IDZ 1A, Richards Bay
Project Description:	Environmental Impact Assessment for the conversion of biosolids into an organic fertiliser destined for the export market.
Job Title and Duties:	Project Manager, Public Meeting Presentation, Feedback to Richards Bay Environmental Review Committee, Impact Assessment, Legal Overview, Client and Authority Liaison, Atmospheric Emissions License (AEL) and Waste Management License (WML) application management, Specialist Management, Report Review
Value of Project:	ZAR 1 Billion (Client Project Value)
Location:	Simuma, Port Shepstone, South Africa
Project duration & year:	2006-2012
Client:	Natal Portland Cement (NPC) Cimpor
Name of Project:	Alternative Fuel Resource (AFR) project to replace a portion of coal used in the cement kilns with waste tyres and rubber.
Project Description:	Environmental Impact Assessment, Waste Management Licence and Atmospheric Emissions Licence for the use of waste tyres and rubber in NPC Simuma'
Job Title and Duties:	Environmental Scientist, EMPr compilation, AEL Review, WML Review
Value of Project:	n/a
Location:	Kwambonambi (Richards Bay Minerals)
Project duration & year:	2010-2011
Client:	Air Liquide (SA) (Pty) Ltd
Name of Project:	Upgrade and extension of the Air Separation Plant
Project Description:	Section 24 Rectification Application for the illegal commencement of construction of aboveground storage tanks for the storage of a dangerous good
Job Title and Duties:	Senior Scientist. Assessment, reporting, authority consultation
Value of Project:	~ZAR50 million
Location:	Mtubatuba, KwaZulu-Natal
Project duration & year:	2011
Client:	NCP Alcohols
Name of Project:	Construction of a molasses storage dam
Project Description:	Basic Assessment for the construction of a molasses storage dah with floating roof
Job Title and Duties:	Senior Scientist. Project management, client liaison and reporting
Value of Project:	Unknown
Location:	Northern KwaZulu-Natal, South Africa
Project duration & year:	2010- 2012
Client:	Eskom (SOC) Ltd
Name of Project:	The construction of a 42km long 132kV powerline from Nondabuya to a proposed new substation south of Ndumo, KwaZulu-Natal
Project Description:	Environmental Impact Assessment for the construction of a new 42km long 132kV power line from the existing Nondabuya Substation to the proposed Ndumo substation, KwaZulu-Natal
Job Title and Duties:	Project Manager. Client liaison, document and report review, specialist coordination, technical team integration and facilitation
Value of Project:	n/a

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Location: Richards Bay and Alton, KwaZulu-Natal
 Project duration & year: 2009
 Client: Foskor (SOC) Ltd
 Name of Project: The proposed construction of a calciner and rapidwall plant at Foskor
 Project Description: EIA for the proposed construction of a calciner and rapidwall plant at Foskor as part of Foskor's diversification and waste (gypsum) reduction strategy
 Job Title and Duties: Environmental Project Manager, technical assessment, report review
 Value of Project: n/a

Location: Cato-Ridge, KwaZulu-Natal, South Africa
 Project duration & year: 2007-2008
 Client: Safal Steel (Pty) Ltd.
 Name of Project: Proposed construction and operation of a new metal coating facility, Cato-Ridge, KZN
 Project Description: Environmental Impact Assessment and Management Plan for the proposed construction of a new aluminium-zinc metal rolling and coating complex in accordance with the International Finance Corporation (IFC) Performance Standards and European Investment Bank (EIB) requirements
 Job Title and Duties: Environmental Scientist, Impact Assessment, Reporting, Appeal Facilitation
 Value of Project: ZAR1.2 Billion

Location: Richards Bay & Alton, KZN
 Project duration & year: *Project halted due to findings and lack of supporting legislation (2008-2009)*
 Client: Mondi Paper SA (Pty) Ltd
 Name of Project: Investigation into the proposed delist and disposal of wood fibres
 Project Description: EIA for the proposed delist and disposal of wood fibres at Mondi Richards Bay
 Job Title and Duties: Environmental Project Coordinator, Technical Assessment
 Value of Project: n/a

Location: Gauteng Northern Suburbs
 Project duration & year: 2008-2009
 Client: Chevron (SA) Pty. Ltd.
 Name of Project: NEMA S24G Rectification Application Process for 4 Caltex Service Stations
 Project Description: Applying for rectification for the commencement of activities without environmental authorisation
 Job Title and Duties: Environmental Project Coordinator
 Environmental Scientist, Strategic and Legal Review, Impact analysis, public participation, reporting and submission to Competent Authority
 Value of Project: n/a

Location: Ixopo, KZN
 Project duration & year: 2007-2009
 Client: Ubuhlebezwe (Ixopo) Municipality
 Name of Project: Identification of potential sites for the development of a Landfill site, Ixopo, KZN
 Project Description: EIA for the proposed establishment of a landfill facility for the town of Ixopo, KZN
 Job Title and Duties: Environmental Scientist, Site Identification, Project Coordination
 Value of Project: n/a

Location: Port of Richards Bay, KwaZulu-Natal
 Project duration & year: 2006-2007
 Client: Transnet National Port Authority (TNPA)
 Name of Project: Construction of a new Chemical Bulk Liquid Berth (Berth 208) in the Port of Richards Bay
 Project Description: Environmental Impact Assessment for the proposed construction of an additional Bulk Liquid Berth
 Job Title and Duties: Environmental Scientist, Public Involvement Process, Impact Assessment, Reporting
 Value of Project: n/a

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Location:	National Project- all Provinces
Project duration & year:	2007
Client:	Chevron (SA) Pty. Ltd
Name of Project:	National Chevron Service Station Divestment Project
Project Description:	Basic Environmental Impact Assessments for the decommissioning of Numerous Service Stations in South Africa.
Job Title and Duties:	National Project Coordinator
Value of Project:	n/a
Location:	Tongaat to Ndwedwe, KZN
Project duration & year:	2006
Client:	Eskom (SOC) Pty. Ltd
Name of Project:	Rural electrification project
Project Description:	EIA for the proposed establishment of an electrical substation in the Ndwedwe area and construction of approximately 20km of 132kV Kingbird Powerline from Tongaat to Ndwedwe, KZN
Job Title and Duties:	Environmental Scientist, Corridor Identification, Impact Assessment, EIA Coordination
Value of Project:	n/a
Location:	Sapref Park, Isipingo
Project duration & year:	2006
Client:	Isegen (South Africa) Pty. Ltd
Name of Project:	The construction and operation of a 975m ³ Butane storage vessel at a Maleic Anhydride and food acids manufacturing plant.
Project Description:	Application for exemption from the EIA Regulations for the construction and operation of a 975m ³ Butane Storage Vessel. Assist client to comply with the major hazards installation (MHI) Regulations and obtain permits from DWAF
Job Title and Duties:	Environmental Scientist, Public Involvement Process, Exemption Application. In addition assist client to comply with the major hazards installation (MHI) Regulations.
Value of Project:	n/a
Location:	Sapref Park, Isipingo, Durban
Project duration & year:	2005
Client:	Isegen (South Africa) Pty. Ltd
Name of Project:	The construction of a new maleic anhydride and food acids manufacturing plant at Isegen.
Project Description:	EIA for the construction of a new Maleic Anhydride and food acid manufacturing plant
Job Title and Duties:	Environmental Scientist, Impact Assessment, Public Participation, EMP, Reporting
Value of Project:	n/a
Location:	Umbogintwini, KwaZulu-Natal
Project duration & year:	2005
Client:	Bastec (Pty) Ltd
Name of Project:	Upgrade of storage and manufacturing facilities for resins
Project Description:	Installation of new product storage tanks for the production of resins
Job Title and Duties:	Environmental Scientist, Environmental Scoping, Public Involvement
Value of Project:	n/a
Location:	Pinetown, KwaZulu-Natal
Project duration & year:	2005
Client:	Petronet
Name of Project:	Construction of new hazardous storage and training facilities
Project Description:	Construction of hazardous chemical stores
Job Title and Duties:	Environmental scientist, environmental scoping
Value of Project:	n/a
Location:	Umbumbulu, Rural South Coast, KwaZulu-Natal
Project duration & year:	2005

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Client:	Ugu Municipality
Name of Project:	Construction of twelve new potable water reservoirs and installation of an associated water reticulation scheme
Project Description:	Environmental Exemption Application for the installation of a new water main and 12 new Reservoirs
Job Title and Duties:	Environmental Scientist, Environmental Scoping, EMP
Value of Project:	n/a
Location:	Umbogintwini Industrial Complex, KwaZulu-Natal
Project duration & year:	2005
Client:	AECI - Chemical Initiatives
Name of Project:	Construction and operation of a new Caustic Soda Aluminate Facility
Project Description:	EIA for the construction of new manufacturing, storage and piping facilities on the Chemical Initiatives site in Umbogintwini
Job Title and Duties:	Environmental Scientist, Environmental Scoping
Value of Project:	n/a
Location:	Simuma, Port Shepstone
Project duration & year:	2004-2005
Client:	Natal Portland Cement (NPC) Cimpor
Name of Project:	Expansion of the NPC Cimpor clinker manufacturing facilities
Project Description:	EIA for the construction and operation of a second clinker kiln and associated infrastructure
Job Title and Duties:	Environmental scientist, environmental scoping, EMP
Value of Project:	n/a
Location:	Bellair, Sarnia Road, KwaZulu-Natal
Project duration & year:	2003-2005
Client:	Sasol
Name of Project:	Construction and operation of a new Sasol service station
Project Description:	EIA for a new petrol filling station
Job Title and Duties:	Environmental Scientist, Environmental Scoping, Public Involvement, Reporting, EMP
Value of Project:	n/a
Location:	Felixton, KwaZulu-Natal
Project duration & year:	2003-2005
Client:	Tongaat Hulett Properties
Name of Project:	Installation of new water and sewage lines
Project Description:	Scoping, EMP and Auditing for various pipeline installations
Job Title and Duties:	Environmental Scientist, Environmental Scoping
Value of Project:	n/a
Location:	Cato Manor, Durban
Project duration & year:	2003-2005
Client:	Petronet
Name of Project:	Deviation of a Petronet Gas Pipeline running through an informal settlement
Project Description:	EIA for the disconnection and deviation of a gas pipeline running under an informal settlement.
Job Title and Duties:	Environmental scientist, environmental scoping, EMP, PIP and auditing
Value of Project:	n/a

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Location: Tongaat, Mamba Ridge, KwaZulu-Natal
 Project duration & year: 2004
 Client: eThekweni Municipality
 Name of Project: Potable water reticulation project
 Project Description: Exemption application for the upgrade of a section of the Tongaat water reticulation network
 Job Title and Duties: Environmental Scientist, Environmental Exemption Application and Reporting
 Value of Project: n/a

Location: Mtubatuba
 Project duration & year: 2004
 Client: Total South Africa (Pty) Ltd
 Name of Project: Installation of additional underground storage tanks at the Total service station in Mtubatuba
 Project Description: Exemption application to DAEA for the installation of additional underground fuel tanks
 Job Title and Duties: Environmental Scientist, Environmental Exemption Application and Reporting
 Value of Project: n/a

Location: Ballito, KwaZulu-Natal
 Project duration & year: 2003-2004
 Client: Shell Marketing South Africa
 Name of Project: Relocation of a Shell service station to a new site
 Project Description: EIA for the knockdown and rebuild of a service station
 Job Title and Duties: Environmental scientist, environmental scoping
 Value of Project: n/a

Key Experience: Strategic Environmental Assessment

Location: Northern KwaZulu-Natal
 Project duration & year: 2008
 Client: Eskom (SOC) Ltd
 Name of Project: Strategic Environmental Assessment of the Makhathini Flats Electrification Suite of Projects
 Project Description: Strategic Environmental Assessment of the construction of a power line ring-network between Hluhluwe and Manguzi and the locating substations in strategic areas
 Job Title and Duties: Environmental Scientist, Geographic Analysis, Liaison with Eskom Management in various departments, Meet and present to authorities.
 Value of Project: n/a

Key Experience: Environmental Compliance Auditing

Location: Richards Bay, KwaZulu-Natal
 Project duration & year: 3 year period (current)
 Client: Foskor Limited
 Name of Project: Annual Environmental Auditing of Foskor's compliance with the site's Waste Management Licence Conditions
 Project Description: Auditing Foskor's compliance with the conditions contained in the WML and reporting to the Department of Environmental Affairs
 Job Title and Duties: Lead ECO
 Value of Project: Undisclosed

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Location:	Richards Bay, KwaZulu-Natal
Project duration & year:	2014 - 2015
Client:	Foskor Limited
Name of Project:	Environmental Compliance Auditing for the installation of a belt filter as part of a new Defluorinated Phosphoric Acid plant
Project Description:	The installation of a belt filter as part of a new Defluorinated Phosphoric Acid plant
Job Title and Duties:	Lead ECO
Value of Project:	R90 000
Location:	Northern KwaZulu-Natal
Project duration & year:	2012-2015
Client:	Eskom Holdings SOC Limited
Name of Project:	Construction of the Nondabuya to Ndumo 132kv powerline and 20MVA substation at Ndumo
Project Description:	Environmental compliance auditing for the construction of a 45km long 132kv powerline and new 20MVA substation at Ndumo.
Job Title and Duties:	Project Manager and Lead Auditor
Value of Project:	Confidential
Location:	Durban Harbour, KwaZulu-Natal
Project duration & year:	6 Months, 2012-2013
Client:	Transnet Port Terminals (TPT)
Name of Project:	The decommissioning of Diesel Pencil Tanks
Project Description:	Environmental compliance monitoring and auditing of the removal of above ground diesel pencil tanks and updating the Environmental Management Programmes
Job Title and Duties:	Project Manager and Lead Auditor
Value of Project:	Unknown
Location:	Cato-Ridge, KwaZulu-Natal
Project duration & year:	2008-current (bi-annual auditing)
Client:	Safal Steel (Pty) Ltd
Name of Project:	Proposed construction and operation of a new Metal Coating Facility
Project Description:	Environmental Auditing of the construction and operation of a new Metal Coating Facility
Job Title and Duties:	Environmental compliance auditor (ECA)- EMP Amendment, IAP Facilitation and audit reporting
Value of Project:	n/a
Location:	Phoenix, KwaZulu-Natal
Project duration & year:	2008
Client:	Amalgamated Beverage Industries (ABI) and NAB
Name of Project:	Installation of carbon dioxide (CO ₂) Tanks at ABI, Phoenix, KZN
Project Description:	Environmental Compliance Audit to determine compliance with Environmental Authorisation and EMP
Job Title and Duties:	Environmental Compliance Auditor (ECA), Audit Reporting
Value of Project:	n/a
Location:	Isipingo, South Durban
Project duration & year:	2006-2008
Client:	Mondi Business Paper
Name of Project:	Eastlands Tenancy Agreement with eThekweni Municipality – Environmental requirements audit
Project Description:	Audit to determine compliance with RoD, EMP and Tenancy Agreement for the Eastlands site, leased from the eThekweni Municipality
Job Title and Duties:	Environmental Compliance Auditor (ECA), Audit Reporting
Value of Project:	n/a

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Location: Between Wiggins Road and Jan Smuts Highway, Cato Manor, Durban
 Project duration & year: 2005-2006
 Client: Petronet/Sasol
 Name of Project: Deviation of the Petronet Gas Pipeline
 Project Description: Deviate a Gas Pipeline Currently Traversing an informal settlement
 Job Title and Duties: Environmental Compliance Auditor (ECA), Audit Reporting
 Value of Project: n/a

Location: Bosse Street, New Germany
 Project duration & year: 2005-2006
 Client: Shield Homes
 Name of Project: Montebello Cluster Housing Development Audit
 Project Description: Auditing, reporting and environmental training
 Job Title and Duties: Environmental scientist, environmental auditing
 Value of Project: n/a

Location: Hlawe Steam, Tongaat
 Project duration & year: 2005-2006
 Client: eThekweni Municipality
 Name of Project: Pipeline installation audit
 Project Description: Auditing, reporting and environmental training
 Job Title and Duties: Environmental scientist, environmental auditing
 Value of Project: n/a

Location: Felixton, Umhlatuze
 Project duration & year: 2005
 Client: Tongaat Hulett Properties
 Name of Project: Tongaat-Hulett Properties Limited Water and Sewage Line installation
 Project Description: EMP, Auditing
 Job Title and Duties: Environmental scientist, environmental auditing
 Value of Project: n/a

Location: Manjee Place, Effingham Heights
 Project duration & year: 2005
 Client: Private developer
 Name of Project: Housing Development
 Project Description: Auditing and Reporting
 Job Title and Duties: Environmental scientist, environmental auditing
 Value of Project: n/a

Location: Durban
 Project duration & year: 2003-2004
 Client: NCP Alcohols
 Name of Project: NCP Alcohols Construction Auditing
 Project Description: Plant Upgrade
 Job Title and Duties: Environmental scientist, Compliance auditing
 Value of Project: n/a

Location: Hazelmere, KwaZulu-Natal
 Project duration & year: 2003
 Client: Private company
 Name of Project: Hazelsands Sand Mining
 Project Description: Mining of sand from river
 Job Title and Duties: Environmental scientist, compliance auditing and reporting
 Value of Project: n/a

Wouter Jordaan

Associate Partner and Principal Scientist

Key Experience: Closure Planning and Review

Location:	Kolwezi, Democratic Republic of Congo (DRC)
Project duration & year:	2013-2015 (Current)
Client:	Glencore
Name of Project:	Closure and rehabilitation plan for the Mutanda Mine as part of an Environmental Impact Study (EIS) and Environmental Management Plan revision of the project
Project Description:	Compilation of a closure and rehabilitation plan and calculation of a closure cost estimate to comply with in-country standards
Job Title and Duties:	Closure Specialist
Value of Project:	Undisclosed
Location:	Democratic Republic of Congo (DRC)
Project duration & year:	6 months, 2012-2013
Client:	Freeport-McMoRan Copper & Gold (FCX),
Name of Project:	Conceptual closure and rehabilitation plan for the proposed Kisanfu Copper Mine in the DRC as part of an Environmental Impact Study (EIS) and Environmental Management Plan of the Project (EMPP)
Project Description:	Compilation of a conceptual closure and rehabilitation plan and calculation of a closure cost estimate to comply with the requirements of the DRC Mining Code, IFC guidelines and Performance Standards, as well as PDC's principles, policies and standards
Job Title and Duties:	Principal Scientist. Information review, determination of an approach to closure and rehabilitation, inform closure cost estimate and the compilation of a conceptual closure and rehabilitation plan
Value of Project:	Confidential
Location:	Sterkspruit, KwaZulu-Natal
Project duration & year:	2014, 2 Months
Client:	Sterkspruit Aggregates
Name of Project:	Revision and amendment of an outdated Environmental Management Program (EMPR) for Sterkspruit Aggregates
Project Description:	Revision and amendment of an outdated EMPR
Job Title and Duties:	Project Manager, Reporting
Value of Project:	Undisclosed

Wouter Jordaan

Associate Partner and Principal Scientist

Key Experience:

Visual Impact Assessment

Location: Carletonville
 Project duration & year: 2 Months, 2015
 Client: Sibanye Gold
 Name of Project: Visual Impact Assessment of the Sibanye Gold Driefontein Mine
 Project Description: Visual Impact Assessment as part of the update to the Driefontein Mine's EMP
 Job Title and Duties: Project Reviewer, Report review, client meeting
 Value of Project: Undisclosed

Location: Between Burgersfort and Steelpoort, Limpopo
 Project duration & year: 2013-2014
 Client: Anglo American Platinum Rustenburg Platinum Mines Limited (RPM) and African Rainbow Minerals (ARM) Mining Consortium Limited (ARM MC)
 Name of Project: Proposed Modikwa Platinum Mine South 2 Shaft Project, Limpopo Province, South Africa
 Project Description: EIA for a new shaft at the Modikwa Mine
 Job Title and Duties: VIA Specialist
 Value of Project: Undisclosed

Location: Rustenburg, KwaZulu-Natal
 Project duration & year: 2011-2012
 Client: Aquarius Platinum South Africa
 Name of Project: Amendment to the Existing Aquarius Platinum South Africa's Marikana Mine Environmental Management Programme to include the proposed West-West Open Pit Rehabilitation and Tailings Storage Facility Project
 Project Description: Visual Impact Assessment for the Rehabilitation of the Marikana Mine West-West Open Pit and development of an additional surface Tailings Storage Facility (TSF) and associated infrastructure to accommodate re-treated tailings not used in the rehabilitation of the West-West Pit.
 Job Title and Duties: VIA Specialist
 Value of Project: Unknown

Location: Rustenburg, North-West Province, South Africa
 Project duration & year: 2008-2009
 Client: Royal Bafokeng (Pty) Ltd.
 Name of Project: Visual impact assessment for the proposed Styldrift Mine Complex
 Project Description: Visual impact assessment for the proposed Styldrift Mine Complex
 Job Title and Duties: Project manager and reviewer
 Value of Project: Unknown

Location: Murmansk Region, Northern Russia
 Project duration & year: 2008
 Client: Barrick
 Name of Project: Visual Impact Assessment (VIA) for a proposed mining complex, Russia
 Project Description: VIA for a proposed New Mining Complex, Russia
 Job Title and Duties: VIA Specialist, Spatial analysis, viewshed Modelling and analysis, line of sight and 3D-Modelling, Reporting
 Value of Project: n/a

Location: Rustenburg
 Project duration & year: 2008
 Client: Aquarius Platinum
 Name of Project: VIA for the proposed construction of an additional shaft (K6 Shaft) at Kroondal Mine, Rustenburg
 Project Description: VIA for the proposed construction of an Additional Shaft (K6 Shaft) at the Kroondal Mine, Rustenburg
 Job Title and Duties: Environmental scientist, Spatial analysis, Viewshed Modelling and analysis, line of sight and 3D-Modelling, Reporting
 Value of Project: n/a

Wouter Jordaan

Associate Partner and Principal Scientist

Key Experience: Visual impact assessments

Location:	Rustenburg
Project duration & year:	2007-2008
Client:	Anglo Platinum
Name of Project:	VIA for the proposed Expansion of the Rustenburg Deeps Mine
Project Description:	VIA for the proposed Expansion of the Rustenburg Deeps Mine
Job Title and Duties:	Environmental scientist, Spatial analysis, Viewshed Modelling and analysis, line of sight and 3D-Modelling, Reporting
Value of Project:	n/a
Location:	Cato-Ridge, KZN
Project duration & year:	2007-2008
Client:	Assmang
Name of Project:	VIA for the proposed expansion of the Assmang Ferro-Manganese Facility
Project Description:	VIA for the proposed expansion of the Assmang Ferro-Manganese Facility
Job Title and Duties:	Visual Impact Assessment, Report Review
Value of Project:	n/a
Location:	Rust de Winter, Gauteng
Project duration & year:	2007
Client:	South African Police Service (SAPS)
Name of Project:	Construction of a 50m high Triangular Lattice Telecommunication Mast
Project Description:	VIA for a proposed Triangular Lattice Mast for the South African Police Service
Job Title and Duties:	Environmental scientist, Spatial analysis, Viewshed Modelling and analysis, line of sight and 3D-Modelling, Reporting
Value of Project:	n/a
Location:	Mondeor, Gauteng
Project duration & year:	2007
Client:	South African Police Service (SAPS)
Name of Project:	Construction of a 30m high Triangular Lattice Communication Mast
Project Description:	VIA for a proposed 30m Triangular Lattice Mast
Job Title and Duties:	Environmental scientist, Spatial analysis, viewshed Modelling and analysis, line of sight and 3D-Modelling, Reporting
Value of Project:	n/a
Location:	Area between uMhlanga Lagoon and Umdloti, KZN
Project duration & year:	2006-2007
Client:	Tongaat Hulett Properties
Name of Project:	VIA for the proposed Sibaya Precinct
Project Description:	VIA for the proposed development of the Sibaya Precinct, KZN
Job Title and Duties:	Environmental scientist, Spatial analysis, viewshed Modelling and analysis, line of sight and 3D-Modelling, Reporting, Presentation at Public Meeting
Value of Project:	n/a
Location:	Lower Drakensberg, KZN
Project duration & year:	2006
Client:	Eskom (SOC) Pty. Ltd
Name of Project:	VIA for the relocation of electrical infrastructure
Project Description:	VIA for the proposed relocation of the existing Cathkin substation and extension of approximately 2.5km of 33KV powerline for Eskoms Cathkin-Mandabeni project, KZN
Job Title and Duties:	Scientist, GIS Modelling, reporting
Value of Project:	n/a
Location:	Richards Bay
Project duration & year:	2006
Client:	RHI
Name of Project:	VIA for RHI Refractories
Project Description:	VIA for proposed Fusion Plant in Richards Bay
Job Title and Duties:	Scientist, GIS Modelling, reporting
Value of Project:	n/a

Wouter Jordaan

Associate Partner and Principal Scientist

In addition to the abovementioned Visual Impact Assessments Wouter has project managed more than 20 other Visual Impact Assessments not listed in the section above. Examples of these include:

- Visual Impact Assessment for the proposed Zuurwater Photovoltaic Project, near Aggeneys, Northern Cape
- Visual Impact Assessment for the proposed capacity upgrades on the National Route 3 Section 2, eThekweni, KwaZulu-Natal
- Visual Impact Assessment for a proposed solar power plant, located near Black Mountain in the Northern Cape for SATO Holdings
- Visual Impact Assessment for the consolidation of the existing EMPr and a proposed expansion to mining activities at the New Clydesdale Mine for Exxaro
- Visual Impact Assessment for the consolidation of the existing EMPr and a proposed expansion to mining activities at the Venetia Mine for De Beers
- Visual Impact Assessment for the proposed opencast coal mining operations near the Kendal Power Station and Kriel, Mpumalanga
- Visual Impact Assessment for the proposed housing estate on the Hilton College School grounds
- Visual Impact Assessment for the proposed opencast coal mining operations on the Vlaktefontein Farm, Ogie, Mpumalanga
- Visual Impact Assessment for the Dwaalkop Mining Operation, Limpopo
- Visual Impact Assessment for the proposed solar power generation facility near Victoria East, Northern Cape for Afrom Energy (Pty) Ltd.

Key Experience: Spatial Screening, Planning and Analysis

Location:	Nkandla Municipality, KZN
Project duration & year:	2006-2007
Client:	Isibuko Consulting
Name of Project:	Spatial land use and negative mapping for the Nkandla Municipality Housing Project
Project Description:	Mapping areas suitable for housing development
Job Title and Duties:	Mapping Review, quality control
Value of Project:	n/a
Location:	Masinga Municipality, KZN
Project duration & year:	2006-2007
Client:	Isibuko Consulting
Name of Project:	Spatial Land use and Negative mapping for the Masinga Municipality Housing Project
Project Description:	Mapping areas suitable for housing development and excluding areas not suitable for development
Job Title and Duties:	Mapping Review, quality control, managing spatial information
Value of Project:	n/a
Location:	Umvoti Municipality, KZN
Project duration & year:	2006
Client:	Isibuko Consulting
Name of Project:	Spatial land use and negative mapping for the Umvoti Municipality housing project
Project Description:	Mapping areas suitable for housing development and excluding areas not suitable for development
Job Title and Duties:	Mapping spatial information, mapping, determining non-developable areas
Value of Project:	n/a
Location:	Eden Municipality, Eastern Cape
Project duration & year:	2006
Client:	Eden Municipality, Eastern Cape
Name of Project:	2006
Project Description:	Spatial modelling and analysis for the Disaster management risk assessment for the Eden municipality
Job Title and Duties:	Scientist, Data editing, rasterizing, GIS analysis and modelling, reporting
Value of Project:	n/a

Wouter Jordaan

Associate Partner and Principal Scientist

Location: Industrial Development Zone 1C (EAST), Alton, Richards Bay
 Project duration & year: 2006
 Client: n/a
 Name of Project: Wetland Delineation modelling for a Proposed Fusion Plant in Richards Bay
 Project Description: Spatial Modelling of Wetland based on information acquired during fieldwork
 Job Title and Duties: Environmental Scientist, GIS Analyst
 Value of Project: n/a

Location: Meer-en-See, Richards Bay
 Project duration & year: 2005
 Client: uMhlathuze Municipality
 Name of Project: Eco-Sensitivity Study for the Eco-Estate
 Project Description: Spatial Integration, GIS Analysis, Technical Scoping, Reporting
 Job Title and Duties: Environmental Scientist, environmental Auditing
 Value of Project: n/a

Location: Meer-en-See, Richards Bay
 Project duration & year: 2005
 Client: uMhlathuze Municipality
 Name of Project: Zumanzi Node Development
 Project Description: Spatial Integration, GIS Analysis, Technical Scoping, Reporting
 Job Title and Duties: Environmental Scientist, environmental Auditing
 Value of Project: n/a

Location: Umhlathuze Municipal Area (Richards Bay and Empangeni)
 Project duration & year: 2004
 Client: uMhlathuze Municipality
 Name of Project: Crime Prevention Through Environmental Design (CPTED)
 Project Description: Umhlathuze Municipal Area (Richards Bay and Empangeni)
 Job Title and Duties: Environmental Scientist, GIS Analyst, Environmental Scoping, Information Management System, Access Database and Query Design, GIS Analysis, Presentation
 Value of Project: n/a

Location: Durban
 Project duration & year: 2004
 Client: eThekweni Municipality
 Name of Project: Preliminary Study of land suitability for the establishment of formal housing in the vicinity of the Bisasar Road landfill site in Durban.
 Project Description: Spatial modelling and analysis of specialist information and running mathematical models on spatial information
 Job Title and Duties: Scientist, data editing, GIS analysis, reporting
 Value of Project: n/a

Location: Pietermaritzburg
 Project duration & year: 2003
 Client: n/a
 Name of Project: Wartburg Waste Disposal Site
 Project Description: Identifying New Waste Disposal Sites
 Job Title and Duties: Environmental Scientist, environmental constraint analysis
 Value of Project: n/a

Location: South Africa & Internationally
 Project duration & year: 2003
 Client: Avis
 Name of Project: Car Rental Management Information Systems (MIS)
 Project Description: Management Information Systems (MIS) Reports to Avis Clients and Modelling and interpreting data using SQL and MapInfo
 Job Title and Duties: Analyst, calculating global performance and modelling results
 Value of Project: n/a

Wouter Jordaan

Associate Partner and Principal Scientist

Location: Fourways, Gauteng
 Project duration & year: 2002
 Client: Montecasino
 Name of Project: Marketing Penetration and Gap Analysis for Monte Casino
 Project Description: Business Analysis, Market Segmentation, Performance and Customer Profiling
 Job Title and Duties: Spatially enabling non-spatial data profiling & analysing spending by area
 Value of Project: n/a

Key Experience: Disaster Risk Assessment and Spatial Risk Modelling

Location: eThekweni Municipality, KwaZulu-Natal
 Project duration & year: 2013-2015, 3 year contract
 Client: The eThekweni Municipality
 Name of Project: Disaster Risk Assessment for the eThekweni Municipality
 Project Description: Disaster Risk Assessment for the eThekweni Municipality
 Job Title and Duties: Coordinator – Spatial information identification and assimilation
 Value of project: Confidential

Location: Rustenburg, Northern province
 Project duration & year: 2006
 Client: Rustenburg Municipality
 Name of Project: Disaster management risk assessment-spatial modelling for the Rustenburg Local Municipality
 Project Description: Spatial modelling and analysis for the Disaster management risk assessment project for Rustenburg Local Municipality
 Job Title and Duties: Scientist, Data editing, rasterizing, GIS analysis and modelling, reporting
 Value of Project: n/a

Location: Botswana
 Project duration & year: 2007-2008
 Client: Office of the President-NDMO
 Name of Project: Disaster Risk Assessment for the Country of Botswana
 Project Description: Disaster preparedness, risk assessment and public information
 Job Title and Duties: Spatial information gathering and risk modelling
 Value of Project: R2,000,000

Location: International: Mozambique, South Africa and Swaziland
 Project duration & year: 2009 – 2011
 Client: National Directorate of Water, PRIMA Programme – on behalf of The Tripartite Permanent Technical Committee (TPTC) between Mozambique, South Africa and Swaziland.
 Name of Project: Consultancy Services for the project on Disaster Management in the Incomati and Maputo Watercourses.
 Project Description: Disaster Management project focusing on Early-warning, Response and Mitigation for cross-border flooding, pollution and drought hazard events in the Incomati and Maputo Watercourses
 Job Title and Duties: Identification of information and meetings with authorities in Swaziland
 Value of Project: R3,000,000

Wouter Jordaan

Associate Partner and Principal Scientist

Location: South Africa
Project duration & year: 2005-2013
Client: Various Disaster Management Centres
Name of Project: Disaster Risk Assessments &/ Plans &/ Policy documents &/ Advisory Services for the following institutions: The Eastern Cape Provincial Disaster Management Centre, The City of Tshwane, The Nelson Mandela Metro, The Buffalo City Municipality, The Amajuba District, The Zululand District, The uThungulu District, The City of Umhlatuze, The Kokstad Municipality, etc.
Project Description: Disaster preparedness, risk assessment and risk reduction planning
Job Title and Duties: Workshops, spatial information gathering and management, risk modelling
Value of Project: Various – average – R500,000

Appendix D: Newspaper Advertisements

In the High Court of South Africa KwaZulu-Natal Division, Pietermaritzburg
Case no: 2562/2014
 In the matter between:
ABSA BANK LIMITED
 Plaintiff
 and
BRUCE PETER MANUEL
 1st Defendant

ELDANNY CARONELLE MANUEL
 2nd Defendant

SALE IN EXECUTION

The property which will be put up for auction on Monday the 1 December 2014 at 10h00 or as soon as thereafter as conveniently possible, at the Sheriff's Office, 17A Mgazi Avenue, Umhlangeni consists of:

Description: Erf 1870 Ramsgate (Extension No. 3), Registration division et, province of kwaZulu-Natal in extent 1433 (one thousand four hundred and thirty three) square metres

Held by Deed of Transfer no. T18609/06 subject to all the terms and conditions contained therein

Physical Address: 1870 PietRetief Circle, Ramsgate Ext 3, Ramsgate, KwaZulu-Natal

Improvements: Vacant land but nothing is guaranteed in respect thereof.

The property is zoned: Domestic (nothing guaranteed).

The nature, extent, condition and existence of the improvements are not guaranteed, and are "voetstoots")

The full conditions of sale may be inspected at the Sheriff's Office at 17A Mgazi Avenue, Umhlangeni.

Take further note that: 1. The sale is a sale in execution pursuant to a judgment obtained in the above court.

2. The Rules of this auction are available 24 hours before the auction at the office of the Sheriff for Port Shepstone at 17A Mgazi Avenue, Umhlangeni.

3. Registration as a buyer is a prerequisite subject to conditions, inter alia, Directive of the Consumer Protection Act 68 of 2008 URL Reference Number (URL <http://www.info.gov.za/view/DownloadFileAction?id=99961>)

4. Fica-Legislation i.r.o proof of identity and address particulars - List of other Fica requirements available at the Sheriff's office.

5. Refundable deposit of R10 000.00 in cash to be supplied prior to the sale.

6. The office of the Sheriff for Port Shepstone will conduct the sale with auctioneer SNMTHIYANE.

7. Advertising costs at current publication rates and sale costs according to the court rules apply.

Dated at Durban this 3rd day of November 2014.

Plaintiff's Attorneys, Johnston & Partners, 25 Claribel Road, Morning-side, Durban. Ref: 48A301 735 / T DE KOCK. Tel: 031 303 6011. 21/11b

In the Estate of the Late ROY FRANK BRAND, ID 310413 5006 085.

Master's ref: 023222/2014/PMB

Notice is hereby given that the First and Final Liquidation and Distribution Account in the above Estate have been filed in the offices of the Master of the High Court of South Africa, KwaZulu-Natal Provincial Division, at Pietermaritzburg, and of the Magistrate at Port Shepstone, where they will lie for inspection for a period of twenty-one (21) days as from the date of publication of this notice.

Dated at Shelly Beach, this Monday, November 10, 2014.


Chantel Elliott & Co
 CHARTERED ACCOUNTANTS (SA)

Chantel Violetta Elliott, Executor Testamentary, c/o Chantel Elliott & Company Chartered Accountants, Lot 702 Reveille Road, Shelly Beach, PO Box 805, Shelly Beach, 4265. Tel: 039 315 0500. 21/11a



PUBLIC NOTICE

KWAZULU NATAL CLOTHING INDUSTRY PROVIDENT FUND (PREVIOUSLY KNOWN AS THE CLOTHING INDUSTRY (NATAL) PROVIDENT FUND)

UNCLAIMED BENEFITS

In terms of the Rules of the KwaZulu Natal Clothing Industry Provident Fund, members who have not worked in the industry during the past 6 months and have not claimed their benefits may apply for this benefit.

A list of these members may be inspected at the offices of the National Bargaining Council for the Clothing Manufacturing Industry or the offices of the South African Clothing & Textile Worker's Union, the address of both offices is 127 Magwaza Maphalala Street (Gale Street), Umbilo, Durban. 4001.

All interested persons need to produce their identity document, service card, banking details and tax reference numbers when applying for their benefit at the offices of the National Bargaining Council for the Clothing Manufacturing Industry at:

127 Magwaza Maphalala Street (Gale Street), Umbilo, Durban, 4001 or 26 King Street, Shop 11, West End Builders Centre, Ladysmith, 3370 or Office 10, Business Partners Building, 3 Murchison Street, Newcastle, 2940.

P.C. WILD
 Principal Officer and Regional Secretary
 The National Bargaining Council
 November 2014 21/11g

In the Estate of the Late GEORGIA ISABEAU HEATHER STRYDOM ID 610227 0095 084 OF 317 Kirkcaldy Place, Ramsgate. Date of death: 12 March 2014.

Master's ref: 2814/2014/PMB

Creditors and Debtors in the above Estate are hereby required to file their claims with and pay their debts to the undersigned within thirty (30) days from date of publication.

Dated at Shelly Beach, this 13 November, 2014.


Chantel Elliott & Co
 CHARTERED ACCOUNTANTS (SA)

Paul Christian Preston and Mark Stephen Marais, Executors Testamentary, c/o Chantel Elliott and Company Chartered Accountants, Lot 702, Reveille Road, Shelly Beach, PO Box 805, 4265. Tel: 039 315 0500. 21/11h

In the Estate of the Late ELIZABETH OELOFSEN, ID 220916 0027 087, widow of Anerley Haven Anerley, Province of KwaZulu-Natal. Date of death: 26 March 2014.

Master's ref: 4704/2014/DBN

In terms of Section 35 (4) and (5) Notice is hereby given that copies of the First and Final Liquidation and Distribution Account in the above Estate will lie for inspection at the Office of the Master of the High Court at Durban and at the Magistrate's Court, Port Shepstone for a period of twenty one (21) days from the date of publication hereof.

Dated at Port Edward this 12th day of November 2014.

Brereton Attorneys, Attorneys for the Executor, 140 Gloucester Road, PO Box 48, Port Edward, 4295. Tel: 039 311 2448. Fax: 039 3112053. Ref. BRB/02OELOF114. 21/11e

To advertise contact 039 682 0155

NOTICE OF APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL MANAGEMENT PROGRAMME AMENDMENT TO THE ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPR) FOR SOUTH COAST STONE CRUSHERS, MARGATE, KWAZULU-NATAL

Notice is hereby given that South Coast Stone Crushers (Pty) Ltd. (SCSC) has lodged an application for the revision and amendment to the quarry's existing Environmental Management Programme Report (EMPR) in terms of Section 102 of the Minerals and Petroleum Resources Development Act No. 28 of 2002 (MPRDA), with the KwaZulu-Natal Department of Mineral Resources (DMR).

Project details: SCSC has an approved EMPR for their Margate Quarry. SRK Consulting South Africa (Pty) Ltd. (SRK) has been appointed by SCSC to compile the relevant documentation for the revision and amendment to the existing EMPR.

The quarry located on Lots 1995, 1996, 1998, 2000 and 2001, is an open cast mining operation and is used for the mining of blue-grey tillite, which is crushed to form aggregates. The revision and amendment to the existing EMPR will be undertaken to amend outdated information and to extend the existing mining area by an additional 13 hectares.

All interested and affected parties are invited to register with SRK Consulting (contact details below).

Contact details: Representations with respect to this application may be made by fax, email or post to Ms. R. Bellusci of SRK, as follows:

SRK Consulting (SA) (Pty) Ltd
 PO Box 1969, Westville, 3630
 Tel: 031 279 1213
 Fax: 031 279 1204
 Email: rbellusci@srk.co.za

Date of this notice: 20 November 2014 21/11k



In the Estate of the Late JANOS KISSID 380828 5328 087 of 19 Perch Road, Ramsgate, 4285, married in community of property to Denise Hawthorne Kiss. Date of death: 26 September 2014.

Master's ref: 025560/2014/PMB

Creditors and Debtors in the above Estate are hereby required to file their claims with and pay their debts to the undersigned within thirty (30) days from date of publication.

Dated at Shelly Beach, this 14 November 2014.


Chantel Elliott & Co
 CHARTERED ACCOUNTANTS (SA)

Chantel Violetta Elliott, Executrix Testamentary, c/o Chantel Elliott and Company Chartered Accountants, Lot 702, Reveille Road, Shelly Beach, PO Box 805, 4265. Tel: 039 315 0500. 21/11j

In the Estate of the Late BRIAN MICHAEL TREADWAY ID 391023 5003 081, married in community of property to Helena Hendrina Treadway ID 410831 0001 083 who resided at 1 Millpark, Viking Road, Margate, 4275. Date of death: 16 July 2014.

Estate no: 25511/2014/DBN

The First and Final Liquidation & Distribution Account in the above Estate shall lie for inspection at the Office of the Master of the High Court in Durban and the Magistrates Office, Port Shepstone for a period of 21 days from the date of publication hereof.

Dated at Port Shepstone this 13th day of November 2014.

Ian Smith, Executor, 68 Nelson Mandela Drive, Port Shepstone, 4240. Tel: 039 682 4924. 21/11i

In the Estate of the Late MILDRED THAN-DAZILE NGWAZI, ID 540518 0678 084 of Lot No 1903, Gamalake Township, Port Shepstone District. Date of death: 22 December 2011. Surviving spouse: Maqhuza Isaa Ngwazi, ID 530108 5723 085, date of birth: 8 January 1953.

Estate no: 1399/2012/DBN

All persons having claims against the above mentioned Estate must lodge it with the Executor concerned within 30 days from date of publication hereof.

Dated at Port Shepstone this 31st day of October 2014.

Moors & Dlamini, PO Box 73, Port Shepstone, 4240. Tel: 039 682 2403. 21/11f

In the Estate of the Late MORDICAI GWALALA ID 140501 5121 080, unmarried, and who resided 6 Galloway Street, Harding, KwaZulu-Natal, and who died at Harding on 27th December 2011.

Master's ref: 16591/2012/DBN

In terms of Section 29 of Act 66 of 1965 notice is hereby given that all persons having claims against the above mentioned estate at the undermentioned address within 30 days of the publication of this notice.

Dated at Harding on this 12th November 2014.

Attorney Neil Bowles, 6 Hawkins Street, Harding, 4680. Tel: 039 433 1505. Ref: NWB/js/04D074040. 21/11d

In the Estate of the Late ABDOOL KADER SABBEE, ID 411023 5081 08 3 of Moodie Street, Harding, KwaZulu-Natal. Date of death: 03 April 2012.

Master's ref: 11202/2013/DBN

The First and Final Liquidation and Distribution Account in the above Estate shall lie for inspection at the office of the Master of the High Court in Pietermaritzburg and at the Magistrates Office, Harding for a period of 21 days from the date of publication hereof.

Dated at Port Shepstone on this 11th day of November 2014.

S Khamissa & Co, Agent for the Executor, PO Box 1502, Port Shepstone, 4240. 21/11c

Notice is hereby given of the intention of the members of **34 THE KINGFISHER CC** Registration no: (2000/026752/23) to apply to the Companies and Intellectual Property Commission (CIPC) for restoration and re-instatement of the above mentioned close corporation.

Any objection to the application may be lodged within 21 days of date of this notice with the Companies and Intellectual Property Commission (CIPC), PO Box 429, Pretoria, 0001. Tel: 012 460 9146. 21/11l





MUNICIPAL NOTICE: 305 of 2014 INTENTION TO AWARD TENDERS

Hibiscus Coast Municipality (HCM) hereby gives notice that it intends to award the following tenders in terms of its Supply Chain Management processes:

TENDER NO	BAC NO	DESCRIPTION	SERVICE PROVIDER
8/2/1470	BAC204/10/2014	Pothole Repairs in the HCM Area for a period of Three(3) years	<ul style="list-style-type: none"> Margate Construction Zwelo's Construction Zamile-Zum Construction Kwamkhlo JV Nkanini Silver Moon Ezasemabheleni Trading Spiyoyo Trading Fatty JV Simandlovu Trading Maipi Trading 33 cc Thwema Trading and Projects cc Lnamm Construction Golden Acre Construction

SM MBILI
MUNICIPAL MANAGER
 P.O. Box 5
 PORT SHEPSTONE
 4240 21/11m



MUNICIPAL NOTICE: 303 of 2014 KWAZULU-NATAL PLANNING AND DEVELOPMENT ACT, 2008: INVITATION TO COMMENT

The Hibiscus Coast Municipality hereby invites comments / objections in terms of Section 9(2)b of the KwaZulu-Natal Planning and Development Act, 2008 (Act No. 6 of 2008), for the rezoning of the Remainder of Erf 2941 Marburg from "Residential High Impact 2" to "Medium Impact Mixed Use 1".

The property is zoned "Residential High Impact 2" in terms of the Hibiscus Coast Municipality Scheme and is located along Hill Road, Marburg. The property measures 45.8ha in extent and is currently developed with a warehouse.

A copy of the application (no. 121/14) received in terms of the above is available for inspection between (07h30 and 16h00) at the Municipal Offices, Erf 666 Crescent Road, Uvongo. The public with sufficient interest therein may lodge written comments to the Head of Department: Economic Development, Tourism and Planning, Attention: Town Planner, Sthembile Ntozakhe by no later than 22 December 2014 via any of the following:

POSTAL ADDRESS: P.O. Box 5, Port Shepstone, 4240
 FACSIMILE: 086 529 7256
 EMAIL: sthembile.ntozakhe@hcm.gov.za

All proposal enquiries are to be directed telephonically to Sthembile Ntozakhe on 039 315 9240.

A persons failure to lodge or forward comments in response to this notice shall be precluded from further participating in the process and taking any further steps with regard to the application.

SM MBILI
MUNICIPAL MANAGER
 P.O. BOX 5
 PORT SHEPSTONE
 4240 21/11n

FOR MORE PUBLIC NOTICES SEE PAGES 70 & 71

Appendix E: BID

Background Information Document

NOTICE OF APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPR) FOR SOUTH COAST STONE CRUSHERS, MARGATE, KWAZULU-NATAL



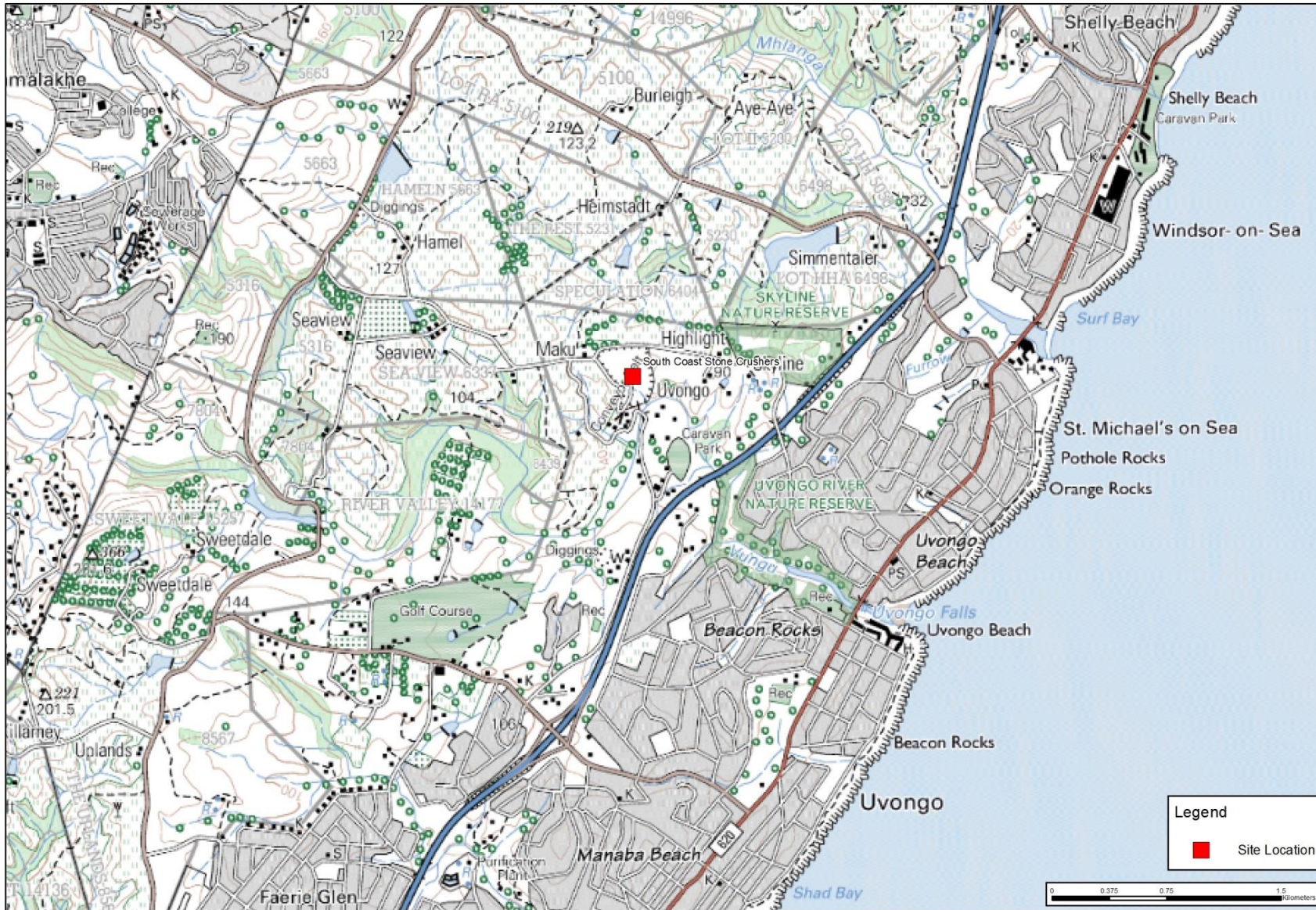
Background Information Document

November 2014

INTRODUCTION AND BACKGROUND

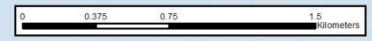
South Coast Stone Crushers (Pty) Ltd. (SCSC) operates a quarry approximately 4.5 km north of Margate KwaZulu-Natal. The Margate Quarry is located on Lots 1995, 1996, 1998, 2000 and 2001 of Uvongo within Ugu District Municipality, KwaZulu-Natal. Access to the site is obtained from Quarry road with the surrounding landuse being characterised by small to medium size industries, industrial parks, canelands, banana plantations, two nature reserves and an informal settlement.

The quarry has been operational for over 45 years and is a main supplier of aggregates to the manufacturing and road construction industries along the southern coast of KwaZulu-Natal. The Quarry is an open cast operation and is used to mine blue-grey tillite which is washed and crushed to form aggregates. The site consists of the quarry site itself, site offices, the crushing plant and a batching plant.



Legend

■ Site Location



Data Source:	
Scale: 1:25 000	
Projection: TM	Datum: HI-94
Central Meridian/Zone: Lo 31	
Date:	Compiled by:
18/11/2014	ALLK
Project No:	Fig No:
483383	1
Revision: A Date: 24 11 2014	

PROJECT DESCRIPTION

SCSC has an approved Environmental Management Programme Report (EMPR), since the EMPR was last revised in 2000 the information is outdated and therefore the existing EMPR needs to be revised. SCSC is also proposing to extend the existing mining area by an additional 13 hectares in an effort to align the benches.

SCSC is in the process of lodging an application for the revision and amendment to the quarry's existing EMPR in terms of Section 102 of the Minerals and Petroleum Resources Development Act (No. 28 of 2002) (MPRDA) with the KwaZulu-Natal Department of Mineral Resources (DMR).

SRK Consulting South Africa (Pty) Ltd. (SRK) has been appointed by SCSC to compile the relevant documentation for the revision and amendment to the existing EMPR.

The purpose of this document is to provide Interested and Affected Parties (I&APs) with:

- Information on the mining process and potential impacts;
- Information on the proposed extension of the existing mining area; and
- An opportunity to provide input into the identification of potential issues and concerns relating to the proposed extension. I&APs are encouraged to register as stakeholders or submit their comments on the proposed project by the 05 December 2014 as per details provided at the end of this document.

LEGISLATIVE REQUIREMENTS

The following provides a brief synopsis of the legislation and its applicability on the Amendment

Minerals and Petroleum Resources Development Act (No. 28 of 2002) (MPRDA)

A Section 102 application will be lodged with the DMR for the amendment to the existing EMPR.

The amended EMPR will include an assessment of the possible impacts associated with the proposed extended mining area. The EMPR will detail the mitigation measures for the identified impacts.

All documents will be made available to the public for review, once the Draft EMPR has been drafted and submitted to the authorities.

STAKEHOLDER ENGAGEMENT DURING AMENDMENT PROCESS

Stakeholders are invited to register their interest in the EMPR revision and amendment application process and are requested to submit comments on the BID and EMPR documents. To register as an I&AP please complete the register and comment sheet below.

STAKEHOLDER ENGAGEMENT	TECHNICAL
<p>Romi Bellusci P O Box 1969, Westville, 3630 Tel: +27 (0)31 279 1200 Fax: +27 (0)31 279 1204 Email: rbellusci@srk.co.za</p>	<p>Wouter Jordaan P O Box 1969, Westville, 3630 Tel: +27 (0)31 279 1200 Fax: +27 (0)31 279 1204 Email: wjordaan@srk.co.za</p>

Background Information Document

REVISION AND AMENDMENT TO THE ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPR) FOR SOUTH COAST STONE CRUSHERS, MARGATE, KWAZULU-NATAL

REGISTRATION AND COMMENT SHEET

STAKEHOLDER ENGAGEMENT

Romi Bellusci

P O Box 1969, Westville, 3630

Tel: +27 (0)31 279 1213

Fax: +27 (0)31 279 1204

Email: rbellusci@srk.co.za

Please complete and submit your comments to the Stakeholder Engagement Contact Person by the 5th December 2014

TITLE		FIRST NAME	
INITIALS		SURNAME	
ORGANISATION			
POSTAL ADDRESS			
		POSTAL CODE	
LAND LINE TEL NO		CELL NO	
FAX NO		EMAIL	

REGISTRATION AS AN INTERESTED AND AFFECTED PARTY (I&AP) (please mark applicable box with X)

Please formally register me as an interested and affected party (I&AP)	YES	NO
--	------------	-----------

I would like my notifications by:

Letter (mail):	E-mail:	Fax:	Telephone:
----------------	---------	------	------------

Please complete section below with your comments

Comments (Please use a separate sheet if you wish)

THANK YOU FOR YOUR CONTRIBUTION

NAME:	SIGNATURE:	DATE:
--------------	-------------------	--------------

Bellusci, Romi

From: Nembula, Thula
Sent: 26 November 2014 01:55 PM
Subject: 483383_Background Information Document for South Coast Stone Crushers.
Attachments: 483383_SCSC_BID_NPC_Final_20141124.pdf

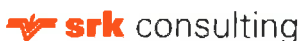
Bcc: 'ricksworxs@vodamail.co.za'; 'kaszechki@mweb.co.za'; 'ascotsupplies@gmail.com';
'richpeb2911@gmail.com'; 'reception@margatecountryclub.co.za';
'ptn@venturenet.co.za'; 'info@rivervalleynaturereserve.co.za';
'seaview@venturenet.co.za'

Dear Interested and Affected Party

Kindly find attached South Coast Stone Crushers Background Information Document for your attention.

Kind Regards

Thula Nembula *BSocSci (Community Development)*
Environmental Scientist

 **srk** consulting

SRK Consulting (South Africa) (Pty) Ltd.

2nd Floor IBM House, 54 Norfolk Terrace, Westville

PO Box 1969, Westville, 3630

Tel: +27-31-279-1200; **Fax:** +27-31-279-1204

www.srk.co.za

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Bellusci, Romi

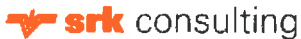
From: Nembula, Thula
Sent: 26 November 2014 02:41 PM
To: 'richter2911@gmail.com'
Subject: FW: 483383_Background Information Document for South Coast Stone Crushers
Attachments: 483383_SCSC_BID_NPC_Final_20141124.pdf

Dear Interested and Affected Party

Kindly find attached South Coast Stone Crushers Background Information Document for your attention.

Kind Regards

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Environmental Scientist

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Bellusci, Romi


From: Nembula, Thula
Sent: 26 November 2014 01:55 PM
Subject: 483383_Background Information Document for South Coast Stone Crushers.
Attachments: 483383_SCSC_BID_NPC_Final_20141124.pdf

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Kind Regards

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Environmental Scientist

 **srk** consulting


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Bellusci, Romi


From: Nembula, Thula
Sent: 26 November 2014 02:54 PM
To: 'rickswoodworxs@vodamail.co.za'
Subject: FW: 483383_Background Information Document for South Coast Stone Crushers
Attachments: 483383_SCSC_BID_NPC_Final_20141124.pdf

Dear Interested and Affected Party

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Kind Regards

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Environmental Scientist

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Bellusci, Romi


From: Nembula, Thula
Sent: 08 December 2014 09:21 AM
To: 'rikandrab@gmail.com'
Subject: Background Information Document for South Coast Stone Crushers
Attachments: 483383_SCSC_BID_NPC_Final_20141124.pdf

Dear Interested and Affected Party

Kindly find attached South Coast Stone Crushers Background Information Document for your attention.

Kind Regards

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Environmental Scientist

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Bellusci, Romi

From: Nembula, Thula
Sent: 26 November 2014 02:08 PM
To: 'massynp@vodamail.co.za'
Subject: FW: 483383_Background Information Document for South Coast Stone Crushers.
Attachments: 483383_SCSC_BID_NPC_Final_20141124.pdf

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Kind Regards

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Environmental Scientist

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Bellusci, Romi

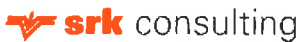
From: Nembula, Thula
Sent: 04 December 2014 04:46 PM
To: 'bill.davis@ugu.gov.za'
Subject: 483383_Background Information Document for South Coast Stone Crushers
Attachments: 483383_SCSC_BID_NPC_Final_20141124.pdf

Dear Commenting Authority

Kindly find attached South Coast Stone Crushers Background Information Document for your attention.

Kind Regards

Thula Nembula *BSocSci (Community Development)*
Environmental Scientist

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SRK Consulting (South Africa) (Pty) Ltd.


2nd Floor IBM House, 54 Norfolk Terrace, Westville

PO Box 1969, Westville, 3630

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Bellusci, Romi

From: Nembula, Thula
Sent: 04 December 2014 04:42 PM
To: 'pillayr@dwa.gov.za'
Subject: 483383_Background Information Document for South Coast Stone Crushers
Attachments: 483383_SCSC_BID_NPC_Final_20141124.pdf


Dear Commenting Authority

Kindly find attached South Coast Stone Crushers Background Information Document for your attention.

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Environmental Scientist

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 Please consider the environment before printing this e-mail.

Bellusci, Romi

From: Nembula, Thula
Sent: 04 December 2014 04:45 PM
To: 'malcolm.moses@kzndae.gov.za'
Subject: 483383_Background Information Document for South Coast Stone Crushers
Attachments: 483383_SCSC_BID_NPC_Final_20141124.pdf

Dear Commenting Authority

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Kind Regards

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Environmental Scientist

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Bellusci, Romi


From: Nembula, Thula
Sent: 04 December 2014 04:47 PM
To: 'wienersd@kznwildlife.com'
Subject: 483383_Background Information Document for South Coast Stone Crushers
Attachments: 483383_SCSC_BID_NPC_Final_20141124.pdf

Dear Commenting Authority

Kindly find attached South Coast Stone Crushers Background Information Document for your attention.

Kind Regards

Thula Nembula *BSocSci (Community Development)*
Environmental Scientist

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Bellusci, Romi

From: Nembula, Thula
Sent: 04 December 2014 04:49 PM
To: 'khethiwe.dlamini@ugu.gov.za'
Cc: 'noloyiswa.walingo@ugu.gov.za'
Subject: 483383_Background Information Document for South Coast Stone Crushers
Attachments: 483383_SCSC_BID_NPC_Final_20141124.pdf


Dear Commenting Authority

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Bellusci, Romi


From: Nembula, Thula
Sent: 04 December 2014 04:51 PM
To: 'feziwe.mhlongo@hcm.gov.za'
Subject: 483383_Background Information Document for South Coast Stone Crushers
Attachments: 483383_SCSC_BID_NPC_Final_20141124.pdf

Dear Commenting Authority

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Environmental Scientist

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Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: pillayr@dwa.gov.za
Sent: 04 December 2014 04:42 PM
Subject: Relayed: 483383_Background Information Document for South Coast Stone Crushers

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

pillayr@dwa.gov.za

Subject: 483383_Background Information Document for South Coast Stone Crushers

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: bill.davis@ugu.gov.za
Sent: 04 December 2014 04:47 PM
Subject: Relayed: 483383_Background Information Document for South Coast Stone Crushers

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

bill.davis@ugu.gov.za

Subject: 483383_Background Information Document for South Coast Stone Crushers

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: wienersd@kznwildlife.com
Sent: 04 December 2014 04:48 PM
Subject: Relayed: 483383_Background Information Document for South Coast Stone Crushers

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

wienersd@kznwildlife.com

Subject: 483383_Background Information Document for South Coast Stone Crushers

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: noloyiswa.walingo@ugu.gov.za; khethiwe.dlamini@ugu.gov.za
Sent: 04 December 2014 04:50 PM
Subject: Relayed: 483383_Background Information Document for South Coast Stone Crushers

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

noloyiswa.walingo@ugu.gov.za

khethiwe.dlamini@ugu.gov.za

Subject: 483383_Background Information Document for South Coast Stone Crushers

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: feziwe.mhlongo@hcm.gov.za
Sent: 04 December 2014 04:52 PM
Subject: Relayed: 483383_Background Information Document for South Coast Stone Crushers

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

feziwe.mhlongo@hcm.gov.za

Subject: 483383_Background Information Document for South Coast Stone Crushers

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: malcolm.moses@kzndae.gov.za
Sent: 04 December 2014 04:45 PM
Subject: Relayed: 483383_Background Information Document for South Coast Stone Crushers

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

malcolm.moses@kzndae.gov.za

Subject: 483383_Background Information Document for South Coast Stone Crushers

Bellusci, Romi

From: Mail Delivery System <MAILER-DAEMON@vodamail.co.za>
To: ricksworx@vodamail.co.za
Sent: 26 November 2014 02:55 PM
Subject: Expanded: 483383_Background Information Document for South Coast Stone Crushers

Your message has been delivered to the following groups:

ricksworx@vodamail.co.za

Subject: FW: 483383_Background Information Document for South Coast Stone Crushers

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: kaszechki@mweb.co.za
Sent: 26 November 2014 02:56 PM
Subject: Relayed: 483383_Background Information Document for South Coast Stone Crushers.

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

kaszechki@mweb.co.za

Subject: 483383_Background Information Document for South Coast Stone Crushers.

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: ascotsupplies@gmail.com
Sent: 26 November 2014 01:55 PM
Subject: Relayed: 483383_Background Information Document for South Coast Stone Crushers.

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

ascotsupplies@gmail.com

Subject: 483383_Background Information Document for South Coast Stone Crushers.

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: richter2911@gmail.com
Sent: 26 November 2014 02:42 PM
Subject: Relayed: FW: 483383_Background Information Document for South Coast Stone Crushers

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

richter2911@gmail.com

Subject: FW: 483383_Background Information Document for South Coast Stone Crushers

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: reception@margatecountryclub.co.za
Sent: 26 November 2014 01:55 PM
Subject: Relayed: 483383_Background Information Document for South Coast Stone Crushers.

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

reception@margatecountryclub.co.za

Subject: 483383_Background Information Document for South Coast Stone Crushers.

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: ptn@venturenet.co.za; seaview@venturenet.co.za
Sent: 26 November 2014 01:55 PM
Subject: Relayed: 483383_Background Information Document for South Coast Stone Crushers.

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

ptn@venturenet.co.za

seaview@venturenet.co.za

Subject: 483383_Background Information Document for South Coast Stone Crushers.

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: info@rivervalleynaturereserve.co.za
Sent: 26 November 2014 01:57 PM
Subject: Relayed: 483383_Background Information Document for South Coast Stone Crushers.

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

info@rivervalleynaturereserve.co.za

Subject: 483383_Background Information Document for South Coast Stone Crushers.

Bellusci, Romi

From: Mail Delivery System <MAILER-DAEMON@vodamail.co.za>
To: massynp@vodamail.co.za
Sent: 26 November 2014 02:32 PM
Subject: Expanded: 483383_Background Information Document for South Coast Stone Crushers.

Your message has been delivered to the following groups:

massynp@vodamail.co.za

Subject: FW: 483383_Background Information Document for South Coast Stone Crushers.

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: rikandrab@gmail.com
Sent: 08 December 2014 09:22 AM
Subject: Relayed: Background Information Document for South Coast Stone Crushers

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

rikandrab@gmail.com

Subject: Background Information Document for South Coast Stone Crushers

*** FAX TX REPORT ***

TRANSMISSION OK

JOB NO. 1870
DEPT. ID 1111
DESTINATION ADDRESS 0393156303
SUBADDRESS
DESTINATION ID
ST. TIME 26/11 15:42
TX/RX TIME 03' 36
PGS. 6
RESULT OK



Section A, 2nd Floor,
Norfolk House
54 Norfolk Terrace,
Westville, 3630
P O Box 1969
Westville, 3630
South Africa
T: +27 (0) 31 279 1200
F: +27 (0) 31 279 1204
E: durban@ark.co.za
www.ark.co.za



Fax

To:	uVongo Brick n Block	Pages:	1 of 7
Company:	uVongo Brick n Block	Date:	26/11/2014
Fax #:	0393156303	Project #:	483383
From:	Ms R Bellusci		
Subject:	South Coast Stone Crushers Background Information Document		

Urgent For Review Please Comment Please Reply

Please find attached South Coast Stone Crushers Background Information Document for your attention

Regards

Romi Bellusci
Environmental Scientist

SRK Consulting (South Africa) (Pty) Ltd

**REGISTERED LETTER
GEREGISTREERDE BRIEF**



(with an insurance option/met 'n versekeringsopsie)

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Addressed to/Geadresseer aan

M. Pawindwe
Box 23

Port Shepstone 4240 Postcode
Postkode

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Appendix F: Notification Letters



26 January 2016
483383/Nemt/1601013

Attention: Interested and Affected Party

Dear Interested and Affected Party

INVITATION TO COMMENT ON THE DRAFT ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT FOR SOUTH COAST STONE CRUSHERS, NEAR MARGATE, KWAZULU-NATAL

DMR Reference: 87MR

In line with environmental regulatory requirements; you are hereby notified by SRK Consulting (SA) (Pty) Ltd (SRK) of the availability of the Draft Environmental Management Programme (EMPr) Report for South Coast Stone Crusher (Pty) Ltd (SCSC) near Margate, KwaZulu-Natal.

The public has a responsibility to review the Draft EMPr within a **30 day period** from 27 January 2016 and submit their comments in writing by email, fax or post directly to the contact provided below. **Please note that the closing date for comments is 26th February 2016.**

An electronic copy of the Draft EMPr is available on the SRK website (www.srk.co.za), alternatively a hard copy is available for public viewing at the following venues:

Public Place	Locality	Contact Person	Telephone Number
SRK Durban Office	2 nd Floor Norfolk House, 54 Norfolk Terrace, Westville, 3630	Mr. Thula Nembula	031 279 1223
South Coast Stone Crushers	Lot 2000, Quarry Road, Uvongo, KwaZulu-Natal	Mr. Lindani Mkungo	039 315 9568

Please forward all comments, by one of the following means to Mr. T. Nembula by **Friday, 26th February 2016**:

Tel: 031 279 1223
Fax: 031 279 1204
Email: tnembula@srk.co.za
Postal Address: P.O Box 1969, Westville, 3630

Should you have any further queries please do not hesitate contact to the undersigned.

Yours faithfully,

Partners R Armstrong, AH Bracken, MJ Braune, JM Brown, CD Dalglish, BM Engelsman, R Gardiner, GC Howell, WC Joughin, DA Kilian, JA Lake, BF Liber, V Maharaj, DJ Mahlangu, RRW McNeill, HAC Meintjes, MJ Morris, GP Nel, VS Reddy, PE Schmidt, PJ Shepherd, MJ Sim, VM Simposya, HFJ Theart, KM Uderstadt, AT van Zyl, MD Wanless, ML Wertz, A Wood

Directors AJ Barrett, GC Howell, WC Joughin, V Maharaj, DJ Mahlangu, VS Reddy, PE Schmidt, PJ Shepherd

Associate Partners N Brien, LSE Coetser, CJ Ford, E Goossens, M Hinsch, SG Jones, W Jordaan, AH Kirsten, LH Kirsten, S Kisten, I Mahomed, RD O'Brien, T Shepherd, JJ Slabbert, WI Stewart, D Visser

Consultants JAC Cowan, *PrSciNat, BSc(Hons)*; JH de Beer, *PrSci Nat, MSc*; JR Dixon, *PrEng*; T Hart, *MA, TTHD*; GA Jones, *PrEng, PhD*; PR Labrum, *PrEng*; PN Rosewarne, *PrSciNat*; AA Smithen, *PrEng*; TR Stacey, *PrEng, DSc*; OKH Steffen, *PrEng, PhD*; PJ Terbrugge, *PrSciNat, MSc*; DJ Venter, *PrTech*

African Offices:

Cape Town + 27 (0) 21 659 3060
Durban + 27 (0) 31 279 1200
East London + 27 (0) 43 748 6292
Johannesburg + 27 (0) 11 441 1111
Kimberley + 27 (0) 53 861 5798
Pietermaritzburg + 27 (0) 33 347 5069
Port Elizabeth + 27 (0) 41 509 4800
Pretoria + 27 (0) 12 361 9821
Rustenburg + 27 (0) 14 594 1280
Accra + 23 (3) 24 485 0928
Lubumbashi + 243 (0) 81 999 9775

Group Offices:

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South America



SRK Consulting (South Africa) (Pty) Ltd

A handwritten signature in black ink, appearing to read 'Thula Nembula', is written over a circular stamp or mark.

Thula Nembula
Environmental Scientist

Bellusci, Romi

From: Nembula, Thula
Sent: 26 January 2016 04:13 PM
To: 'sandra.w@nationalasphalt.co.za'; 'rickswoodworxs@vodamail.co.za'; 'kaszehki@mweb.co.za'; 'ascotsupplies@gmail.com'; 'richter2911@gmail.com'; 'rongborr@vodamail.co.za'; 'reception@margatecountryclub.co.za'; 'ptn@venturenet.co.za'; 'info@rivervalleynaturereserve.co.za'; 'seaview@venturenet.co.za'; 'massynp@vodamail.co.za'; 'rikandrab@gmail.com'; 'gpaint@vodamail.co.za'
Subject: 483383_Availabity of Draft Environmental Management Programme for South Coast Stone Crusher
Attachments: 483383_Draft_EMPr_Notification_letter_IAP_20160126.pdf

Dear Interested and Affected Party

Kindly find attached South Coast Stone Crushers Notification letter for your attention.

Kind Regards

Thula Nembula *BSocSci (Community Development)*
Environmental Scientist



SRK Consulting (South Africa) (Pty) Ltd.

2nd Floor Norfolk House, 54 Norfolk Terrace, Westville
PO Box 1969, Westville, 3630

Tel: +27-31-279-1200; **Fax:** +27-31-279-1204

Mobile:+27-76-581-6959; **Direct:** +27-31-279-1223

Email: tnebulu@srk.co.za

www.srk.co.za

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DESTINATION ADDRESS 0393156303
SUBADDRESS
DESTINATION ID
ST. TIME 27/01 08:35
TX/RX TIME 00' 32
PGS. 4
RESULT OK



Section A, 2nd Floor,
Norfolk House
54 Norfolk Terrace,
Westville, 3830
P O Box 1969
Westville, 3830
South Africa
T: +27 (0) 31 279 1200
F: +27 (0) 31 279 1204
E: durban@srk.co.za
www.srk.co.za



Fax

To: Manager at Vongo Brick n Block **Pages:** 1 of 1
Company: Vongo Brick n Block **Date:** 27/01/16
Fax #: 039 315 6303 **Project #:** 483383
From: Thula Nembula
Subject: Availability of Draft Environmental Management Programme for South Coast Stone Crusher

Urgent For Review Please Comment Please Reply

Dear Sir/ Madam

Please find attached letter for your attention

Regards

SRK Consulting (South Africa) (Pty) Ltd

Thula Nembula
Environmental scientist

Bellusci, Romi

From: Mail Delivery System <MAILER-DAEMON@vodamail.co.za>
To: ricksworx@vodamail.co.za; rongborr@vodamail.co.za;
massynp@vodamail.co.za; gpaint@vodamail.co.za
Sent: 26 January 2016 04:13 PM
Subject: Expanded: 483383__Availability of Draft Environmental Management Programme for South Coast Stone Crusher

Your message has been delivered to the following groups:

ricksworx@vodamail.co.za

rongborr@vodamail.co.za

massynp@vodamail.co.za

gpaint@vodamail.co.za

Subject: 483383__Availability of Draft Environmental Management Programme for South Coast Stone Crusher

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: sandra.w@nationalasphalt.co.za
Sent: 26 January 2016 04:13 PM
Subject: Relayed: 483383__Availability of Draft Environmental Management Programme for South Coast Stone Crusher

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

sandra.w@nationalasphalt.co.za

Subject: 483383__Availability of Draft Environmental Management Programme for South Coast Stone Crusher

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: ascotsupplies@gmail.com; richter2911@gmail.com; rikandrab@gmail.com
Sent: 26 January 2016 04:13 PM
Subject: Relayed: 483383__Availability of Draft Environmental Management Programme for South Coast Stone Crusher

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

ascotsupplies@gmail.com

richter2911@gmail.com

rikandrab@gmail.com

Subject: 483383__Availability of Draft Environmental Management Programme for South Coast Stone Crusher

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: info@rivervalleynaturereserve.co.za
Sent: 26 January 2016 04:13 PM
Subject: Relayed: 483383__Availability of Draft Environmental Management Programme for South Coast Stone Crusher

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

info@rivervalleynaturereserve.co.za

Subject: 483383__Availability of Draft Environmental Management Programme for South Coast Stone Crusher

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: kaszechki@mweb.co.za
Sent: 26 January 2016 04:13 PM
Subject: Relayed: 483383__Availability of Draft Environmental Management Programme for South Coast Stone Crusher

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

kaszechki@mweb.co.za

Subject: 483383__Availability of Draft Environmental Management Programme for South Coast Stone Crusher

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: reception@margatecountryclub.co.za
Sent: 26 January 2016 04:13 PM
Subject: Relayed: 483383__Availability of Draft Environmental Management Programme for South Coast Stone Crusher

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

reception@margatecountryclub.co.za

Subject: 483383__Availability of Draft Environmental Management Programme for South Coast Stone Crusher

Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: ptn@venturenet.co.za; seaview@venturenet.co.za
Sent: 26 January 2016 04:13 PM
Subject: Relayed: 483383__Availability of Draft Environmental Management Programme for South Coast Stone Crusher

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

ptn@venturenet.co.za

seaview@venturenet.co.za

Subject: 483383__Availability of Draft Environmental Management Programme for South Coast Stone Crusher



18 August 2015
483383/jord/1508012

Attention: Interested and Affected Party

Dear Interested and Affected Party

Feedback on the Application for the Amendment to the Environmental Management Programme (EMPR) for South Coast Stone Crushers, Margate, KwaZulu-Natal

In November 2014 Interested and Affected Parties (IAP's) were notified of South Coast Stone Crushers' (SCSC's) intent to update the approved Environmental Management Programme Report (EMPR) for the Margate quarry. In addition, SCSC proposed to amend the EMPR to make provision for mining an additional area to the west of the quarry. The proposed update and revision of the EMPR were at that time, subject to the requirements of the Minerals and Petroleum Resources Development Act (No. 28 of 2002) (MPRDA).

The update of the EMPR is necessitated by the fact that the SCSC EMPR was last revised in 2000 and as such the information and management measures are outdated. The revision of the EMPR is necessitated as SCSC is proposing to extend the existing mining area by an additional 13 hectares in a westerly direction, in an effort to align the benches and optimise the available mine area.

On 04 December 2014 amendments to the National Environmental Management Act (No. 107 of 1998) (NEMA) and its associated Environmental Impact Assessment (EIA) Regulations were gazetted. The amendments had implications for the amendment of SCSC's EMPR as EMPR's for mines were previously subject to the requirements of the MPRDA, but are now subject to the requirements of the NEMA. The implication of the change is that the amendment to the EMPR will need to conform to the requirements as provided in Appendix 4 of the NEMA EIA Regulations. Under the MPRDA, an Environmental Management Programme Report (EMPR) referred to a single document in which impacts were assessed and an EMPR was documented. Under NEMA, the term Environmental Management Programme report (EMPr) refers to a stand-alone report documenting an EMPr following an assessment of all potential impacts. Although the legislation governing EMPR's/EMPr's has changed, the competent Authority remains the Department of Mineral Resources (DMR).

In order to clarify the legislative changes and associated requirements SRK Consulting (SRK) met with the DMR on 03 March 2015 to discuss the format for the update of the EMPR. It was decided that a single EMPr, which covers current operations and proposed extensions to the mine area (Appendix A), would be the most practical option. The compilation of a single updated EMPr, in the NEMA EMPr format will ensure uniformity in management and monitoring measures and eliminate user confusion brought about by two separate EMPR's under different sets of legislation.

Partners AH Bracken, MJ Braune, JM Brown, CD Dalglish, JR Dixon, BM Engelsman, R Gardiner, GC Howell, WC Joughin, DA Kilian, PR Labrum, BF Liber, DJ Mahlangu, RRW McNeill, HAC Meintjes, MJ Morris, GP Nel, VS Reddy, M Ristic, PE Schmidt, PJ Shepherd, MJ Sim, VM Simposya, AA Smithen, HFJ Theart, KM Uderstadt, AT van Zyl, DJ Venter, MD Wanless, ML Wertz, A Wood

Directors AJ Barrett, JR Dixon, GC Howell, V Maharaj, DJ Mahlangu, VS Reddy, PE Schmidt, PJ Shepherd

Associate Partners R Armstrong, N Brien, SE Coetser, M Hinsch, AH Kirsten, LH Kirsten, S Kisten, JA Lake, V Maharaj, SA McDonald, RD O'Brien, T Shepherd, JJ Slabbert, D Visser

Consultants AC Burger, *BSc(Hons)*; JAC Cowan, *PrSciNat, BSc(Hons)*; JH de Beer, *PrSci Nat, MSc*; T Hart, *MA, TTHD*; Dr GA Jones, *PrEng, PhD*; TR Stacey, *PrEng, DSc*; Dr OKH Steffen, *PrEng, PhD*; PJ Tebrugge, *PrSciNat, MSc*; DW Warwick, *PrSciNat, BSc(Hons)*

SRK Consulting (South Africa) (Pty) Ltd

Reg No 1995.012890.07

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East London	+ 27 (0) 43 748 6292
Johannesburg	+ 27 (0) 11 441 1111
Kimberley	+ 27 (0) 53 861 5798
Pietermaritzburg	+ 27 (0) 33 347 5069
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Subsequent to the meeting with DMR, SCSC commissioned specialist studies to inform an Assessment Report to be compiled for the entire SCSC mining area. The specialist studies include an Aquatic and Terrestrial Biodiversity Impact Assessment and Wetland Delineation and Assessment. The consolidated Assessment Report will include the findings and recommendations of all specialist studies undertaken and the management and monitoring requirements will be included in the EMPr.

The final document that will be submitted to DMR will be an EMPr with the Assessment Report appended. The EMPr will be made available for public comment prior to being released to DMR for approval. All IAPs will be informed once the EMPr is available for comment.

Please do not hesitate to contact the undersigned should you have any queries or comments.

Yours faithfully,

SRK Consulting (South Africa) (Pty) Ltd



R. Bellusci
Environmental Scientist



W. Jordaan (Pr.Sci.Nat)
Principal Scientist

Appendix A: Maps



SOUTH COAST STONE CRUSHERS: PROGRESSIVE REHABILITATION MAP

Key:

- Current Mining Area
- Proposed Mining Area (2015- 2020)
- Proposed Mining Area (2020 – 2036)
- Rehabilitation Zone (2015)



Data Source:	
Scale: 1:25 000	
Projection: TM	Datum: 111 694
Central Meridian/Zone: Lo 31	
Date: 18/11/2014	Compiled by: ALLK
Project No: 483383	Fig No: 1
Revision: A Date: 24/11/2014	

Nembula, Thula

From: Bellusci, Romi
Sent: 18 August 2015 01:18 PM
To: 'pillayr@dwa.gov.za'; 'malcolm.moses@kzndae.gov.za'; 'bill.davis@ugu.gov.za';
'wienersd@kznwildlife.com'; 'khethiwe.dlamini@ugu.gov.za';
'noloyiswa.walingo@ugu.gov.za'; 'feziwe.mhlongo@hcm.gov.za';
'liziswa.jiba@hcm.gov.za'; 'karoon.moodley@dmr.gov.za'
Subject: FW: South Coast Stone Crushers notification letter
Attachments: 483383_SCSC_EMPR Feedback_jord_20150818.pdf

Dear Official

Please find attached letter for you attention.

Regards,

Romi Bellusci BA Hons (Geography and Environmental Management)
Environmental Scientist

 **srk** consulting

SRK Consulting (South Africa) (Pty) Ltd.

2nd Floor Norfolk House, 54 Norfolk Terrace, Westville

PO Box 1969, Westville, 3630

Tel: +27-31-279-1200; **Fax:** +27-31-279-1204

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From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: pillayr@dwa.gov.za
Sent: 18 August 2015 01:19 PM
Subject: Relayed: FW: South Coast Stone Crushers notification letter

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

pillayr@dwa.gov.za

Subject: FW: South Coast Stone Crushers notification letter

Nembula, Thula

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: melissa.packree@kzndae.gov.za
Sent: 07 September 2015 11:10 AM
Subject: Relayed: FW: South Coast Stone Crushers notification letter

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

melissa.packree@kzndae.gov.za

Subject: FW: South Coast Stone Crushers notification letter

Nembula, Thula

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: bill.davis@ugu.gov.za; khethiwe.dlamini@ugu.gov.za;
noloyiswa.walingo@ugu.gov.za
Sent: 18 August 2015 01:19 PM
Subject: Relayed: FW: South Coast Stone Crushers notification letter

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

bill.davis@ugu.gov.za

khethiwe.dlamini@ugu.gov.za

noloyiswa.walingo@ugu.gov.za

Subject: FW: South Coast Stone Crushers notification letter

Nembula, Thula

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: wienersd@kznwildlife.com
Sent: 18 August 2015 01:19 PM
Subject: Relayed: FW: South Coast Stone Crushers notification letter

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

wienersd@kznwildlife.com

Subject: FW: South Coast Stone Crushers notification letter

Nembula, Thula

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: feziwe.mhlongo@hcm.gov.za; liziswa.jiba@hcm.gov.za
Sent: 18 August 2015 01:19 PM
Subject: Relayed: FW: South Coast Stone Crushers notification letter

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

feziwe.mhlongo@hcm.gov.za

liziswa.jiba@hcm.gov.za

Subject: FW: South Coast Stone Crushers notification letter

Nembula, Thula

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: karoon.moodley@dmr.gov.za
Sent: 18 August 2015 01:19 PM
Subject: Relayed: FW: South Coast Stone Crushers notification letter

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

karoon.moodley@dmr.gov.za

Subject: FW: South Coast Stone Crushers notification letter

Nembula, Thula

From: Bellusci, Romi
Sent: 07 September 2015 11:09 AM
To: 'sandra.w@nationalasphalt.co.za'; 'melissa.packree@kzndae.gov.za'
Subject: FW: South Coast Stone Crushers notification letter
Attachments: 483383_SCSC_EMPR Feedback_jord_20150818.pdf

Dear Stakeholder

Please find attached letter for you attention.

Regards,

Romi Bellusci BA Hons (Geography and Environmental Management)
Environmental Scientist

 **srk** consulting

SRK Consulting (South Africa) (Pty) Ltd.

2nd Floor Norfolk House, 54 Norfolk Terrace, Westville
PO Box 1969, Westville, 3630

Tel: +27-31-279-1200; **Fax:** +27-31-279-1204

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Bellusci, Romi

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: sandra.w@nationalasphalt.co.za
Sent: 07 September 2015 11:10 AM
Subject: Relayed: FW: South Coast Stone Crushers notification letter

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

sandra.w@nationalasphalt.co.za

Subject: FW: South Coast Stone Crushers notification letter

Nembula, Thula

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: malcolm.moses@kzndae.gov.za
Sent: 18 August 2015 01:19 PM
Subject: Relayed: FW: South Coast Stone Crushers notification letter

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

malcolm.moses@kzndae.gov.za

Subject: FW: South Coast Stone Crushers notification letter

Nembula, Thula

From: Bellusci, Romi
Sent: 18 August 2015 01:13 PM
To: 'rickswoodworxs@vodamail.co.za'; 'kaszehki@mweb.co.za';
'ascotsupplies@gmail.com'; 'richter2911@gmail.com';
'reception@margatecountryclub.co.za'; 'ptn@venturenet.co.za';
'info@rivervalleynaturereserve.co.za'; 'seaview@venturenet.co.za';
'massynp@vodamail.co.za'
Subject: South Coast Stone Crushers notification letter
Attachments: 483383_SCSC_EMPR Feedback_jord_20150818.pdf

Dear Stakeholder

Please find attached letter for you attention.

Regards,

Romi Bellusci BA Hons (Geography and Environmental Management)
Environmental Scientist

 **srk** consulting

SRK Consulting (South Africa) (Pty) Ltd.


2nd Floor Norfolk House, 54 Norfolk Terrace, Westville

PO Box 1969, Westville, 3630

Tel: +27-31-279-1200; **Fax:** +27-31-279-1204

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Nembula, Thula

From: Mail Delivery System <MAILER-DAEMON@vodamail.co.za>
To: ricksworx@vodamail.co.za; massynp@vodamail.co.za
Sent: 18 August 2015 01:15 PM
Subject: Expanded: South Coast Stone Crushers notification letter

Your message has been delivered to the following groups:

ricksworx@vodamail.co.za

massynp@vodamail.co.za

Subject: South Coast Stone Crushers notification letter

Nembula, Thula

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: kaszechki@mweb.co.za
Sent: 18 August 2015 01:13 PM
Subject: Relayed: South Coast Stone Crushers notification letter

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

kaszechki@mweb.co.za

Subject: South Coast Stone Crushers notification letter

Nembula, Thula

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: ascotsupplies@gmail.com; richter2911@gmail.com
Sent: 18 August 2015 01:13 PM
Subject: Relayed: South Coast Stone Crushers notification letter

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

ascotsupplies@gmail.com

richter2911@gmail.com

Subject: South Coast Stone Crushers notification letter

Nembula, Thula

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: reception@margatecountryclub.co.za
Sent: 18 August 2015 01:13 PM
Subject: Relayed: South Coast Stone Crushers notification letter

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

reception@margatecountryclub.co.za

Subject: South Coast Stone Crushers notification letter

Nembula, Thula

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: ptn@venturenet.co.za; seaview@venturenet.co.za
Sent: 18 August 2015 01:14 PM
Subject: Relayed: South Coast Stone Crushers notification letter

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

ptn@venturenet.co.za

seaview@venturenet.co.za

Subject: South Coast Stone Crushers notification letter

Nembula, Thula

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: info@rivervalleynaturereserve.co.za
Sent: 18 August 2015 01:14 PM
Subject: Relayed: South Coast Stone Crushers notification letter

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

info@rivervalleynaturereserve.co.za

Subject: South Coast Stone Crushers notification letter

Nembula, Thula

From: Bellusci, Romi
Sent: 18 August 2015 01:59 PM
To: 'Rik Coke'
Subject: RE: SCSC amendment to EMPR
Attachments: 483383_SCSC_EMPR Feedback_jord_20150818.pdf

Dear Mr. Coke

Apologies for the delay in our response to you, the project was placed on hold due to a changes in legislation. Since our last correspondence with you specialist studies have been commissioned.

You had previously highlighted your concerns around the monitoring of water quality in the Vungu River, please note that an Aquatic and Terrestrial biodiversity Impact Assessment has been commissioned. This assessment and the specialist recommendation will be used to inform the monitoring requirements which will be included in the EMPr

You will be informed of the availability of the EMPr for your review and comments.

Please see attached letter for your attention.

Should you have any further queries or concerns, do not hesitate to contact me.

Regards,

Romi Bellusci BA Hons (Geography and Environmental Management)
Environmental Scientist

 **srk** consulting


SRK Consulting (South Africa) (Pty) Ltd.

2nd Floor Norfolk House, 54 Norfolk Terrace, Westville
PO Box 1969, Westville, 3630

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From: Rik Coke [<mailto:rikandrab@gmail.com>]
Sent: 12 February 2015 10:14 PM
To: Bellusci, Romi
Subject: RE: SCSC amendment to EMPR

Dear Ms Bellusci,
Please find a letter dated 12 February 2015 attached.
Thank you for your help.
Richard Coke

Nembula, Thula

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: Rik Coke
Sent: 18 August 2015 01:59 PM
Subject: Relayed: RE: SCSC amendment to EMPR

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

[Rik Coke](#)

Subject: RE: SCSC amendment to EMPR

Nembula, Thula


From: Bellusci, Romi
Sent: 08 September 2015 02:17 PM
To: 'rongborr@vodamail.co.za'
Subject: South Coast Stone Crushers notification letter
Attachments: 483383_SCSC_EMPR Feedback_jord_20150818.pdf

Dear Stakeholder

Please find attached letter for you attention.

Regards,

Romi Bellusci BA Hons (Geography and Environmental Management)
Environmental Scientist

 **srk** consulting


SRK Consulting (South Africa) (Pty) Ltd.

2nd Floor Norfolk House, 54 Norfolk Terrace, Westville
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Nembula, Thula

From: Bellusci, Romi
Sent: 29 September 2015 02:56 PM
To: 'gpaint@vodamail.co.za'
Subject: South Coast Stone Crushers notification letter
Attachments: 483383_SCSC_EMPR Feedback_jord_20150818.pdf

Dear Stakeholder

Please find attached letter for you attention.

Regards,

Romi Bellusci BA Hons (Geography and Environmental Management)
Environmental Scientist

 **srk** consulting


SRK Consulting (South Africa) (Pty) Ltd.

2nd Floor Norfolk House, 54 Norfolk Terrace, Westville
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Nembula, Thula

From: Mail Delivery System <MAILER-DAEMON@vodamail.co.za>
To: gpaint@vodamail.co.za
Sent: 29 September 2015 02:57 PM
Subject: Expanded: South Coast Stone Crushers notification letter

Your message has been delivered to the following groups:

gpaint@vodamail.co.za

Subject: South Coast Stone Crushers notification letter



10 September 2015
483383_belr_1509010

Department of Water and Sanitation
88 Joe Slovo Street
Southern Life Building
Durban
4001

Attention: Ms. K. Methula

Dear Ms. Methula

South Coast Stone Crushers Environmental Management Programme (EMPr)

This letter serves in response to the letter received from the Department of Water and Sanitation (DWS) on the 30 January 2015. The compilation of the Environmental Management Programme (EMPr) and our response has been delayed due to a change in environmental legislation which came into effect on 04 December 2014 and has implications on the structure of the amended EMPr (also refer to our letter attached to appendix A of this letter).

In response to your requirements the following refers:

- The management of solid waste will be addressed in the EMPr;
- A stormwater management plan is being compiled and will be appended to the EMPr;
- Wastewater and sewage treatment on site will be addressed in the EMPr;
- Erosion control and management of spoil will be addressed in the EMPr; and
- A Spill contingency plan will be appended to the EMPr.

A Water Use Licence (WUL) is in the process of being applied for by South Coast Stone Crushers (SCSC) and a pre-application meeting and site visit has been held with DWS.

Specialist studies are currently underway and the EMPr will be updated with the specialist's findings and recommendations prior to circulation for comment. The Draft EMPr is expected to be finalised and released for comment by the end of October

Should you have any further issues or concerns, do not hesitate to contact the undersigned.

Partners AH Bracken, MJ Braune, JM Brown, CD Dalgliesh, JR Dixon, BM Engelsman, R Gardiner, GC Howell, WC Joughin, DA Kilian, PR Labrum, BF Liber, DJ Mahlangu, RRW McNeill, HAC Meintjes, MJ Morris, GP Nel, VS Reddy, M Ristic, PE Schmidt, PJ Shepherd, MJ Sim, VM Simposya, AA Smithen, HFJ Theart, KM Uderstadt, AT van Zyl, DJ Venter, MD Wanless, ML Wertz, A Wood

Directors AJ Barrett, JR Dixon, GC Howell, V Maharaj, DJ Mahlangu, VS Reddy, PE Schmidt, PJ Shepherd

Associate Partners R Armstrong, N Brien, SE Coetser, M Hinsch, AH Kirsten, LH Kirsten, S Kisten, JA Lake, V Maharaj, SA McDonald, RD O'Brien, T Shepherd, JJ Slabbert, D Visser

Consultants AC Burger, *BSc(Hons)*; JAC Cowan, *PrSciNat, BSc(Hons)*; JH de Beer, *PrSci Nat, MSc*; T Hart, *MA, TTHD*; Dr GA Jones, *PrEng, PhD*; TR Stacey, *PrEng, DSc*; Dr OKH Steffen, *PrEng, PhD*; PJ Terbrugge, *PrSciNat, MSc*; DW Warwick, *PrSciNat, BSc(Hons)*

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Yours faithfully,

SRK Consulting (South Africa) (Pty) Ltd



Romi Bellusci
Environmental Scientist

Appendix A: Notification Letter regarding EMPr Amendment



18 August 2015
483383/jord/1508012

Attention: Interested and Affected Party

Dear Interested and Affected Party

Feedback on the Application for the Amendment to the Environmental Management Programme (EMPR) for South Coast Stone Crushers, Margate, KwaZulu-Natal

In November 2014 Interested and Affected Parties (IAP's) were notified of South Coast Stone Crushers' (SCSC's) intent to update the approved Environmental Management Programme Report (EMPR) for the Margate quarry. In addition, SCSC proposed to amend the EMPR to make provision for mining an additional area to the west of the quarry. The proposed update and revision of the EMPR were at that time, subject to the requirements of the Minerals and Petroleum Resources Development Act (No. 28 of 2002) (MPRDA).

The update of the EMPR is necessitated by the fact that the SCSC EMPR was last revised in 2000 and as such the information and management measures are outdated. The revision of the EMPR is necessitated as SCSC is proposing to extend the existing mining area by an additional 13 hectares in a westerly direction, in an effort to align the benches and optimise the available mine area.

On 04 December 2014 amendments to the National Environmental Management Act (No. 107 of 1998) (NEMA) and its associated Environmental Impact Assessment (EIA) Regulations were gazetted. The amendments had implications for the amendment of SCSC's EMPR as EMPR's for mines were previously subject to the requirements of the MPRDA, but are now subject to the requirements of the NEMA. The implication of the change is that the amendment to the EMPR will need to conform to the requirements as provided in Appendix 4 of the NEMA EIA Regulations. Under the MPRDA, an Environmental Management Programme Report (EMPR) referred to a single document in which impacts were assessed and an EMPR was documented. Under NEMA, the term Environmental Management Programme report (EMPr) refers to a stand-alone report documenting an EMPr following an assessment of all potential impacts. Although the legislation governing EMPR's/EMPr's has changed, the competent Authority remains the Department of Mineral Resources (DMR).

In order to clarify the legislative changes and associated requirements SRK Consulting (SRK) met with the DMR on 03 March 2015 to discuss the format for the update of the EMPR. It was decided that a single EMPr, which covers current operations and proposed extensions to the mine area (Appendix A), would be the most practical option. The compilation of a single updated EMPr, in the NEMA EMPr format will ensure uniformity in management and monitoring measures and eliminate user confusion brought about by two separate EMPR's under different sets of legislation.

Partners AH Bracken, MJ Braune, JM Brown, CD Dalglish, JR Dixon, BM Engelsman, R Gardiner, GC Howell, WC Joughin, DA Kilian, PR Labrum, BF Liber, DJ Mahlangu, RRW McNeill, HAC Meintjes, MJ Morris, GP Nel, VS Reddy, M Ristic, PE Schmidt, PJ Shepherd, MJ Sim, VM Simposya, AA Smithen, HFJ Theart, KM Uderstadt, AT van Zyl, DJ Venter, MD Wanless, ML Wertz, A Wood

Directors AJ Barrett, JR Dixon, GC Howell, V Maharaj, DJ Mahlangu, VS Reddy, PE Schmidt, PJ Shepherd

Associate Partners R Armstrong, N Brien, SE Coetser, M Hinsch, AH Kirsten, LH Kirsten, S Kisten, JA Lake, V Maharaj, SA McDonald, RD O'Brien, T Shepherd, JJ Slabbert, D Visser

Consultants AC Burger, *BSc(Hons)*; JAC Cowan, *PrSciNat, BSc(Hons)*; JH de Beer, *PrSci Nat, MSc*; T Hart, *MA, TTHD*; Dr GA Jones, *PrEng, PhD*; TR Stacey, *PrEng, DSc*; Dr OKH Steffen, *PrEng, PhD*; PJ Tebrugge, *PrSciNat, MSc*; DW Warwick, *PrSciNat, BSc(Hons)*

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South America



Subsequent to the meeting with DMR, SCSC commissioned specialist studies to inform an Assessment Report to be compiled for the entire SCSC mining area. The specialist studies include an Aquatic and Terrestrial Biodiversity Impact Assessment and Wetland Delineation and Assessment. The consolidated Assessment Report will include the findings and recommendations of all specialist studies undertaken and the management and monitoring requirements will be included in the EMPr.

The final document that will be submitted to DMR will be an EMPr with the Assessment Report appended. The EMPr will be made available for public comment prior to being released to DMR for approval. All IAPs will be informed once the EMPr is available for comment.

Please do not hesitate to contact the undersigned should you have any queries or comments.

Yours faithfully,

SRK Consulting (South Africa) (Pty) Ltd



R. Bellusci
Environmental Scientist



W. Jordaan (Pr.Sci.Nat)
Principal Scientist

Appendix A: Maps



SOUTH COAST STONE CRUSHERS: PROGRESSIVE REHABILITATION MAP

Key:

- Current Mining Area
- Proposed Mining Area (2015- 2020)
- Proposed Mining Area (2020 – 2036)
- Rehabilitation Zone (2015)



Data Source:	
Scale: 1:25 000	
Projection: TM	Datum: 111 694
Central Meridian/Zone: Lo 31	
Date: 18/11/2014	Compiled by: ALLK
Project No: 483383	Fig No: 1
Revision: A Date: 24/11/2014	

Nembula, Thula

From: Bellusci, Romi
Sent: 10 September 2015 11:40 AM
To: Methula Khethiwe (DBN) (MethulaK@dwa.gov.za)
Subject: South Coast Stone Crushers Quarry EMPr
Attachments: 483383_DWS_response_Final_jord_20150910.pdf

Dear Ms. Methula

Please see attached letter for your attention.

Regards

Romi Bellusci BA Hons (Geography and Environmental Management)
Environmental Scientist

 **srk** consulting

SRK Consulting (South Africa) (Pty) Ltd.

2nd Floor Norfolk House, 54 Norfolk Terrace, Westville
PO Box 1969, Westville, 3630

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Nembula, Thula

From: Microsoft Outlook
<MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@srkna.onmicrosoft.com>
To: Methula Khethiwe (DBN) (MethulaK@dwa.gov.za)
Sent: 10 September 2015 11:40 AM
Subject: Relayed: South Coast Stone Crushers Quarry EMPr

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[Methula Khethiwe \(DBN\) \(MethulaK@dwa.gov.za\)](mailto:MethulaK@dwa.gov.za)

Subject: South Coast Stone Crushers Quarry EMPr

*** FAX TX REPORT ***

TRANSMISSION OK

JOB NO. 1553
DEPT. ID 1111
DESTINATION ADDRESS 0393156303
SUBADDRESS
DESTINATION ID
ST. TIME 19/08 08:56
TX/RX TIME 02' 48
PGS. 6
RESULT OK



Section A, 2nd Floor,
Norfolk House
54 Norfolk Terrace,
Westville, 3630
P O Box 1989
Westville, 3630
South Africa
T: +27 (0) 31 279 1200
F: +27 (0) 31 279 1204
E: durban@ark.co.za
www.ark.co.za



Fax

To:	Sir/ Madam	Pages:	1 of 6
Company:	uVongo Brick N Block	Date:	18/08/15
Fax #:	039 315 6303	Project #:	483383
From:	R. Bellusci		
Subject:	Feedback on the Application for Amendment to the Environmental Management Programme (EMPR)		

Urgent For Review Please Comment Please Reply

Attention: Interested and Affected Party

Please see attached letter for your attention.

Regards

SRK Consulting (South Africa) (Pty) Ltd

T. Nembula
Environmental Scientist

Appendix G: Site Notices



Site notice placed adjacent to the dirt road which runs along the western boundary of the site



Site notice placed at the entrance to the SCSC mining plant.



Site notice placed adjacent road which runs along the northern boundary of the site.

Appendix H: IAP Database

SCSC IAP Database

Title	Surname	First Name	Organisation
Project Team			
Mr	Jordaan	Wouter	SRK Consulting
Mr.	Smithen	Andrew	SRK Consulting
Ms	Bellusci	Romi	SRK Consulting
NPC - Cimpor			
Ms.	Seepersad	Deepa	NPC Concrete and Aggregates
Competent Authority			
Ms	Khethiwe	Methula	DWS
Ms	Pillay	Renelle	Department of Water and Sanitation
Mr	Malcom	Moses	DEDTEA
Mr	Packree	Melissa	DEDTEA
Mr	Davis	Bill	Department of Health
Mr	Wieners	Dominic	Ezemvelo KZN Wildlife
Ms	Dlamini	Khethiwe	Ugu District Municipality
Ms	Mhlongo	Feziwe	Hibiscus Coast Municipality
Ms	Jiba	Liziwa	Hibiscus Coast Municipality
Ms	Tshabalala	Weziwe	Amafa akwaZulu-Natali
Mr.	Moodley	Karoon	DMR
Surrounding landowners and bussinesses			
Ms	Wakeford	Sandra	National Asphalt
Mr	Prinsloo	Ricky	Rick's wood worx
Mr.	Pawandiwe	M.	Uvongo waste water treatement wo
			Uvongo industrial park
			Ascot stone south coast
Mr.	Richter	Pieter	Nulandis
			Vongo Brick n block
Community Members			
Mr.		Ron	Rons workshop
			Margate Country Club
Mr	Nauger	Pieter	Ward Councillor (Ward 19 Hibiscus
Mr.	Lewis	Andrew	River Valley Nature Reserve
Mr	Wichmann	Detlef	H.F.E Wichman & CO PTY LTD
Mr	Massyn	Peter	Skyline Nature Reserve
Mr	Coke	Richard	Karios Eirenes
Mrs and Mr	Griffin	Brigitte and Richard	Surrounding landowners

Appendix I: Comments and Responses



agriculture, forestry & fisheries

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

F ☎ : 033 342 8783

📁 DAFF

✉ Ms. K. Moodley

T ☎ : 033 392 7739

Forestry Regulations & Support

29 February 2016

✉ KarenM@daff.gov.za

P/Bag X9029

Pietermaritzburg

SRK Consulting

P.O BOX 1969

Westville

3629

Attention: Ms. R. Bellusci

COMMENTS FOR THE DRAFT ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT FOR SOUTH COAST STONE CRUSHERS, NEAR MARGATE, KWA-ZULU NATAL.

[DMR Reference: 87MR]

The Department of Agriculture, Forestry and Fisheries (DAFF) appreciates the opportunity given to review and comment on the Draft Environmental Management Programme Report (EMPr) for the above mentioned project.

With reference to the document received on 27 January 2016 (dated 26 January 2016), desktop analysis conducted using KML files for the proposed study area and the site inspection undertaken with SRK consultants, DAFF's concern pertain to the patches of Coastal Forest and protected tree species (*Pittosporum viriflorum*, *Sideroxylon inerme*) that fall within the proposed site.

DAFF has no objection towards the proposed mining activity provided the following conditions are strictly adhered to:


- The patch of Coastal forest occurring within the proposed project footprint should not be disturbed under any circumstances and a 50 metre buffer should be maintained between the coastal forest edges and proposed mining activities, particularly from the northern portion of the Coastal Forest.
- Protected trees occurring within the study area should be clearly demarcated with red-tape to avoid tree disturbance.
- Mining staff should be educated about environmental aspects e.g. destruction of indigenous vegetation prior the operational phase of the project
- The Environmental Control Officer whom is contracted to South Coast Stone Crushers should be present on site during the construction phase to ensure that no disturbance is caused to the natural forest patches.
- Existing access roads and foot paths should be used during all phases of the project.
- Conditions outlined in the biodiversity plan should be adhered to.
- An alien invasive plant programme must be implemented to eradicate alien species on the forest edge.
- Mitigation measures outlined in the EMPr should be strictly enforced by the Environmental Control Officer (ECO) in order to minimise the anticipated negative ecological impacts.
- DAFF officials are permitted to monitor the site at any given time. Non-compliance with above conditions is a contravention of the National Forests Act 84 of 1998 and will thus result in legal action.

This letter does not exempt you from considering other environmental legislations.

Should any further information be required, please do not hesitate to contact this office.

Yours faithfully

Ms. K. Moodley



.....

Forestry Regulations & Support

KZN

Bellusci, Romi

From: Bellusci, Romi
Sent: 04 April 2016 09:04 AM
To: 'KarenM'
Cc: Jordaan, Wouter
Subject: FW: Coastal Forest Buffer
Attachments: SAS IC SCSC Forest Buffer 150316.pdf

Tracking:	Recipient	Delivery
	'KarenM'	
	Jordaan, Wouter	Delivered: 2016/04/04 09:04 AM

Dear Karen

Thank you for your comments received on 29 February, Please see attached letter from SAS (the biodiversity specialist who conducted the site assessment at South Coast Stone Crushers Quarry) for your consideration.

Regards

Romi Bellusci BA Hons (Geography and Environmental Management) Environmental Scientist

SRK Consulting (South Africa) (Pty) Ltd.

2nd Floor Norfolk House, 54 Norfolk Terrace, Westville PO Box 1969, Westville, 3630

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www.sasenvironmental.co.za

admin@sasenvironmental.co.za

Name: Michelle Pretorius

Date: Thursday, 17 March 2016

Ref: SAS/IC 150316

Deepa Seepersad
Environmental Specialist

Phone: +27 (31) 450 4434

Dseepersad@intercement.com

Attention: Ms Deepa Seepersad

SOUTH COAST STONE CRUSHERS, MARGATE – RECOMMENDED COASTAL FOREST BUFFER ZONE AND REHABILITATION GUIDELINES

1. INTRODUCTION

Scientific Aquatic Services (SAS) was appointed to conduct a floral and faunal ecological assessment as part of the Environmental Management Programme report (EMPr) of the Margate Quarry operated by South Coast Stone Crushers (SCSC) in the vicinity of Margate, KwaZulu-Natal Province (SAS, 2015). During the field assessment, a patch of KwaZulu-Natal Coastal Belt forest was identified within the western portion of the study area. This Coastal Forest Habitat Unit is bordered in the north by historically transformed sand mining and vegetation clearing activities and by Coastal Grassland in the northeast. The coastal forest habitat extends beyond the study area further to the east and southeast. Although considered largely intact, with floral Species of Conservation Concern (SCC) and a high diversity of indigenous woody species present, the Coastal Forest Habitat Unit has been impacted along its edges by the aforementioned anthropogenic disturbances, which has led to some invasive species being present and the loss of the natural forest edge and ecotone area in the north and west.

The purpose of this document is to determine a suitable buffer zone to the north of the Coastal Forest Habitat Unit in line with the requirements from the Department of Agriculture, Forestry and Fisheries (DAFF) as well as to provide an outline of rehabilitation measures to be implemented within this proposed buffer area.

2. BUFFER ZONE DETERMINATION

According to the Ezemvelo KZN Biodiversity Assessment Guidelines (2013), the following should be considered in terms of forest buffer areas:

- All indigenous forest is designated as sensitive, regardless of condition;
- While a buffer zone of 40m from the edge of the forest has been historically applied, this standard buffer may not always take the forest and development type into account, and has been found to be inappropriate in some instances;
- The determination of an appropriate and site-specific buffer depends on a number of factors and the final buffer must be determined using the guide provided in Table 2 of the KZN Biodiversity Guidelines (2013);
- A buffer zone must be able to accommodate dynamic processes and accommodate effective management of the forest edge and its ecotone;

The Coastal Forest patch present does **not** conform to any of the categories listed in Table 2 of the KZN Biodiversity Guidelines summarised below for convenience:

- Uniformly Secondary forest or forest uniformly representing recent succession from grassland, woodland or scrub;
- Critically Endangered, Endangered or Vulnerable Forest types; or
- Old growth forest.

Therefore, the buffer calculation should proceed on a case by case basis, due to the ecotone associated with the Coastal Forest Habitat Unit being limited to the north east (in the vicinity of the Coastal Grassland Habitat Unit) and lost to the north and west as a result of historic mining in the immediate vicinity of the forest patch and due to severe habitat transformation from sand and aggregate mining having already occurred up to the edge of the identified forest habitat. (Figure 1). Furthermore, the forest is mostly associated with inaccessible cliffs and ravines with associated riparian zones which will be excluded from future mining activities. In addition, the Coastal Forest Habitat Unit is bordered in the south by a riparian area, which is to remain protected under the National Water Act (1998).





Figure 1. Current edge of the Coastal Forest Habitat Unit to the north where it borders historically transformed habitat.

The proposed buffer will be important, particularly to protect the remaining forest edges to the north against structural damage, as well as damage by fire and further invasion by alien invasive species. It is therefore considered that a **20m buffer area** to the north of the forest habitat is sufficient to protect the remaining forest from negative edge effects, provided that this area be appropriately managed to resemble a natural ecotone and suitably rehabilitated for this purpose.

3. REHABILITATION GUIDELINES

According to DAFF, in the document entitled Policy, Principles and Guidelines for Control of Development affecting Natural Forests (2009), natural forests are fringed by belts of hardy pioneer plants that can recover or regenerate rapidly after being damaged by fire or grazing, provided that such destructive events do not occur too frequently. These margins are transitional zones (ecotones) between forests and the surrounding veld types (usually grassland, fynbos or woodland) that protect the forest from fire and the drying effects from the sun. The ecotones and vegetation types surrounding forest patches must be kept intact as a vital part of maintaining the forest habitat and its fauna and flora (some animal species for example require a variety of habitat types).

It is therefore important that, in terms of South Coast Stone Crushers, the proposed 20m buffer to the north of the Coastal Forest Habitat Unit as the surrounding vegetation type be rehabilitated to coastal grassland, where indigenous trees may naturally establish, and managed in line with the following measures:

General

- The Coastal Forest Habitat Unit is not to be disturbed under any circumstances, due to the increased level of floral and faunal diversity and intact habitat provided by this area;
- The proposed 20m buffer to the northeast of the Coastal Forest Habitat Unit associated with the Coastal Grassland Habitat Unit to the northeast is to remain undisturbed;
- The natural linkage of the forest habitat with adjacent forest habitat beyond the site boundary to the east and southeast should not be disturbed.

Alien vegetation

- It must be ensured that alien and invasive alien species are removed from the proposed 20m buffer zone in line with the guidelines stipulated in the SAS (2015) biodiversity report.

Soils

- The proposed 20m buffer to the north of the Coastal Forest Habitat Unit is to be graded and levelled to a 1:3 slope to resemble a natural landscape and no ponding or steep slopes remaining from historic mining activities should remain present;
- Soil preparation for rehabilitation should include ripping to a depth of at least 200mm and the replacement of topsoil or similar imported growing medium to a depth of at least 150mm across the area to be rehabilitated.

Revegetation

- The proposed 20m buffer area to be revegetated in line with the guidelines provided in the SAS (2015) biodiversity report, with focus on re-establishing grass cover within this area;
- Additional forest trees as listed for the Coastal Forest Habitat Unit (SAS, 2015) are to be planted in this area, at a density of 100 trees per hectare (ha) in order to re-establish the natural transition from forest to grassland within the buffer zone area.

Management and Monitoring

Management and monitoring of the proposed 20m buffer area is to take place in line within the guidelines provided by SAS (2015), with special emphasis on alien vegetation and erosion control in the area, as well as ensuring that vegetation established successfully.

Regards

Michelle Pretorius

Pr.Sci.Nat (Ecology)





agriculture, forestry & fisheries

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

F ☎: 033 342 8783

📧 DAFF

✉ Ms. K. Moodley

T ☎: 033 392 7739

Forestry Regulations & Support

13 June 2016

✉ KarenM@daff.gov.za

P/Bag X9029

Pietermaritzburg

SRK Consulting

P.O BOX 1969

Westville

3629

Attention: Ms. R. Bellusci

RE: COMMENTS FOR THE SOUTH COAST STONE CRUSHERS, MARGATE – RECOMMENDED COASTAL FOREST BUFFER ZONE AND REHABILITATION GUIDELINES.

The Department of Agriculture, Forestry and Fisheries (DAFF) appreciates the opportunity given to review and comment on the document for the above-mentioned proposed project.

- With reference to the document received on 30 May 2016 (dated 17 March 2016) and comments issued on the 17 February 2016, DAFF initially proposed that a 40 metre buffer be maintained between the coastal forest edges and proposed mining activities, particularly from the northern portion of the Coastal Forest. However, after review of the recommended coastal buffer and rehabilitation guidelines, DAFF supports the 20 metre buffer that has been proposed by the specialist. All other conditions as stipulated below should be strictly adhered to:

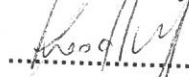
- Protected trees occurring within the study area should be clearly demarcated with red-tape to avoid tree disturbance.
- Mining staff should be educated about environmental aspects e.g. destruction of indigenous vegetation prior the operational phase of the project
- The Environmental Control Officer whom is contracted to South Coast Stone Crushers should be present on site during the construction phase to ensure that no disturbance is caused to the natural forest patches.
- Existing access roads and foot paths should be used during all phases of the project.
- Conditions outlined in the biodiversity plan should be adhered to.
- An alien invasive plant programme must be implemented to eradicate alien species on the forest edge.
- Mitigation measures outlined in the EMPr should be strictly enforced by the Environmental Control Officer (ECO) in order to minimise the anticipated negative ecological impacts.
- DAFF officials are permitted to monitor the site at any given time. Non-compliance with above conditions is a contravention of the National Forests Act 84 of 1998 and will thus result in legal action.

This letter does not exempt you from considering other environmental legislations.

Should any further information be required, please do not hesitate to contact this office.

Yours faithfully

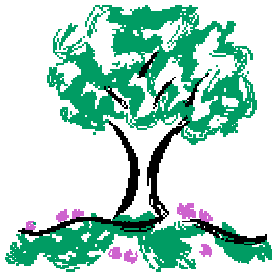
Ms. K. Moodley



.....

Forestry Regulations & Support

KZN



KAIROS EIRENES

Lot 1987 Interlaken Drive, UVONGO



Email : rikandrab@gmail.com

P. O. Box 516
UVONGO
4270
South Africa

Thursday, 25 February 2016

SRK Consulting (SA) (Pty) Ltd
P.O. Box 1969,
WESTVILLE
3630.

E-mail : rbellusci@srk.co.za

Attention : Ms. R. Bellusci

Re : **SOUTH COAST STONE CRUSHERS, MARGATE, KWAZULU-NATAL
COMMENTS ON PROPOSED DRAFT REVISED EMPr**

Dear Ms Bellusci,

It appears to me that you and Mr. Jordaan have put together a comprehensive document. There are a couple of apparent gaps that worry me though.

- 1 Last year I wrote to you raising several points. Three of these are;
 - That the monitoring inspections should be done by an "Independent Person" (i.e. not someone employed by the quarry owners to write the reports needed).
 - That environmental monitoring (especially of the water related issues) should be done monthly, if not even more frequently; that "annual inspection and reporting" was inadequate.
 - I noted that the quarry management had not effectively done much in the way of early rehabilitation of areas already worked out and no longer being exploited; I noted that I presumed that there was some sort of "plan" in that respect in the previous document/s. The upshot being that, personally, I do not have any confidence in the quarry management actively started such a programme of rehabilitation.

You responded in a letter dated 11 February 2015. Part of your response referred to there being no directive from the DMR enforcing independent monitoring. I have addressed this problem below.

- 2 The draft EMPr refers;
 - 10.2 Operational Phase (pg. 19) : There is much said about protection of areas such as wetlands, riparian, etc; but there is no "operational activity" that speaks of commencing rehabilitation in areas that have been worked out and are no longer being exploited. It is my experience that if all rehabilitation is left to the closure phase (i.e. when the quarry is no longer producing revenue / income), then the owners plead poverty and the rehabilitation is severely cut back or in some cases, simply not done at all. It is my opinion that the best way to counteract that management style is to ensure that rehabilitation starts before the quarry is closed from a production point of view. Thus, it will be necessary to have provision in the "operational phase" list of activities, methodologies, etc made for on-going partial rehabilitation during the operating phases of the quarry.

- 10.3 Closure Phase (pg. 23) : It is only after operations have ceased at closure that there is mention made of “rehabilitation”. As stated above, I am of the opinion that this is a major omission in the “Operational Phase”. Rehabilitation to re-establish the natural vegetation and biodiversity needs to be done progressively as areas of the quarry are worked out and active quarrying of each area stops. Also note that I am of the opinion that the quarry owners will try to prevent such an inclusion by arguing that they “might decide” to extend the quarry further at some unspecified future date. There must be a delimitation on the eastward and/or northward boundaries where no further “expansion” will be permitted due to proximity of the established township of Uvongo, the Municipal Sewage Treatment Works, private property, the proclaimed road reserve, and the proclaimed Skyline Nature Reserve to the north of this road.
- 11. Monitoring – Table 11-1 refers (pg. 24) : During the “Expansion Phase” there will be fortnightly monitoring with monthly reporting. However, during the “Operation Phase” (the proposed extent of further operation is some 26 years) the monitoring frequency is marked as “annual” with the reporting also “annual”. I have had occasion to visit the quarry site during working hours to enquire about and ordering crushed stone products for a project that I was building on the property that I co-own. The state of the area let to NCP Ready-Mix batching plant and drum-truck deliveries was hardly as envisaged by the presently proposed EMPr. There was cement-polluted wash-water every-where and my vehicle came away well and truly soiled (note that I only used the indicated roadways to drive on in order to access the offices). That means that the designated “wash-down area” was either not being used and vehicles were being washed outside of this area, or the designated area was not able to cope with the volume / number of vehicles so that it was “overflowing”, or perhaps both; and also the batching plant area was being indiscriminately “washed”. I did not get out of my vehicle (except at the two offices I visited) so did not “inspect” the area and the adjacent river, because I felt that I was there as a potential customer and had no “right” to go anywhere other than the two offices. I am determined that “annual monitoring” is definitely not adequate for the following reasons;
 - The person authorised to do the monitoring is to be employed by the quarry owners for that specific purpose. I am concerned regarding the quality and timing of such monitoring site inspections because of the “He who pays the piper calls the tune” principle.
 - The site management will be forewarned of the E.O.’s impending visit and will make sure that everything is squeaky clean – a small price to pay if it only happens once a year and probably during a non-working period. I have worked too long in the civil engineering industry to have much confidence in quarry site management practices.

The only way that I can see to avoid this kind of “covering-up poor operating management”, is by having a truly independent competent person appointed by the Dept. of Mineral Resources (DMR) to undertake spot inspections at irregular intervals not exceeding 6 weeks. Yes, the NEMBA requires the owners to also have their own E.O.; this person will have to co-operate with the “independent assessor”. And the only way I can see for establishing this kind of inspection regime, is by having it included in the EMPr. That means the EMPr will allocate responsibilities involving both the quarry management / owners, and the relevant controlling Government Departments. It is my opinion that the imposition of such “shared responsibilities” is fair, and constitutionally correct.

Also please note that I do not believe the DMR has the resources (people) to undertake monthly inspections at every site that falls under their jurisdiction. I am of the opinion that provision must be made in the EMPr that will assist the DMR in performing their duties.

- 13 Decommissioning and Closure (pg. 25) :
 - 13.1 : mention is made of “... natural vegetation and biodiversity to establish over time post closure ...”. This rather vague expression “over time” needs to have some sort of

parameters set, and defined in the EMPr. An expert in plant biology would be in the best position to advise on such time parameters.

13.3 : reference is made to decommissioning diesel and petrol storage facilities, the possible contamination of the soil, and how to deal with the problem (removal to a hazardous waste disposal site). The clause goes on to mention, "If there is heavy contamination ...". If the term "heavy contamination" is left undefined, it is subjective and open to dispute. A suitable definition must be spelt out in the EMPr; I suggest that the state of contamination be determined in terms such as "grams of contaminant per kilogram of soil", or "grams of contaminant per cubic meter of soil", or some similar method. Thus the level of contamination can be classified into "mild", "medium", and "heavy". May I also note that "petrol" is largely volatile and "evaporates" quite quickly and the "residue" is quite difficult to pick up; so the "contamination" will have dispersed and the environmental damage will not be measured. Diesel, being an oil, is less volatile and the "residue" is likely to be the larger portion.

- App. B : IAR : App. C "Floral and Faunal Assessment and Management Plan"; pg.2 Figure 1 Topographical Map : The 1:50,000 map presented is very old; the information it contains is of interest historically and shows information that is probably useful. This Figure needs to have reference made to the historical nature of this map, which does not show either the development of Uvongo Drive, or the position of the highway. The inclusion of a more recent topographical map, together with the digital satellite image, is necessary to understand the current impacts of the existing developments and the expected impacts of the proposed mining extension.
- App. B : IAR : the report does not appear to refer to the existing Uvongo River Conservation Area, which is a proclaimed conservancy (this Conservancy is not indicated on any of the maps / figures included in the report). The Conservancy is downstream of the Quarry Site and is subject to pollutants exiting from the Quarry Site. It is my opinion that this Conservancy should be included in the "wider impact stress analysis" of the IAR.

My purpose in writing to you is because I think my comments are important, and the relevant matters must be addressed in the EMPr.

- I am aware that my remarks regarding the "independence" of the E.O. are not enforceable in terms of the current regulations etc. I suppose we are stuck with that. But at least the frequency of the monitoring needs to be much more than merely "annual". I am of the opinion that the regulations set the "minimum parameters" that will satisfy the Act; there is – as far as I know – nothing about doing more than the mere minimum, especially where the additional effort will promote a positive result.
- Could you please inform me regarding what checking the relevant Departments do and how often, and what prior notice do they give to the site management, et al (during the operational phase of the site) ? I am aware that they try to do inspections from time to time (that is what used to happen at the Municipal Solid Waste disposal sites when I was employed in that department of the Johannesburg City Council). I do think that the DMR or DEA or DWA (or all three) need to put such a directive into the whole basket of effective monitoring. On the other hand, if the duly employed E.O. is from a firm such as yours, then the confidence levels will rise considerably.
- An early start to the rehabilitation of areas where mining has been completed must be enforceable in terms of the EMPr.

Yours sincerely,



Richard A. Coke
Pr. Eng. No. 760149 (Retired)

Bellusci, Romi

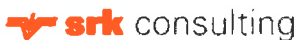
From: Bellusci, Romi
Sent: 01 August 2016 01:01 PM
To: Rik Coke (rikandrab@gmail.com)
Attachments: 483383_Response letter to Mr. Coke_Final_belr_20160801.pdf

Dear Mr. Coke

Please find attached response letter for your attention.

Regards,

Romi Bellusci *BA Hons (Geography and Environmental Management)*
Environmental Scientist

 **srk** consulting

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01 August 2016
483383/belr/1606021

Attention: Mr. Richard Coke

Dear Mr. Coke

Response Letter: South Coast Stone Crushers, Margate, KwaZulu-Natal comments on Draft EMPr

This letter serves as a response to your letter on the Draft EMPr for South Coast Stone Crushers (SCSC), which was received on 25 February 2016. The finalisation of the Environmental Management Programme report (EMPr) and our response has been delayed as SCSC commissioned a heritage assessment as per a request from the South African Heritage and Resources Agency (SAHRA). The study has been completed and the EMPr is being updated to include the findings of the study.

We have noted your comments and a response is appended (in tabular format) to this letter. Refer to Appendix A. We believe that we have addressed all your issues and concerns adequately.

Should you have any further queries or concerns, do not hesitate to contact the undersigned

Yours faithfully,

SRK Consulting (South Africa) (Pty) Ltd



Romi Bellusci
Environmental Scientist

Partners R Armstrong, AH Bracken, MJ Braune, JM Brown, CD Dalglish, BM Engelsman, R Gardiner, GC Howell, WC Joughin, DA Kilian, JA Lake, BF Liber, V Maharaj, DJ Mahlangu, RRW McNeill, HAC Meintjes, MJ Morris, GP Nel, VS Reddy, PE Schmidt, PJ Shepherd, MJ Sim, VM Simposya, HFJ Theart, KM Uderstadt, AT van Zyl, MD Wanless, ML Wertz, A Wood

Directors AJ Barrett, GC Howell, WC Joughin, V Maharaj, DJ Mahlangu, VS Reddy, PE Schmidt, PJ Shepherd

Associate Partners N Brien, LSE Coetser, CJ Ford, E Goossens, M Hinsch, SG Jones, W Jordaan, AH Kirsten, LH Kirsten, S Kisten, I Mahomed, RD O'Brien, T Shepherd, JJ Slabbert, WI Stewart, D Visser

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Appendix A: Comments and Responses Table

Comments from Mr. Coke	Responses from SRK
<p>It appears to me that you and Mr. Jordaan have put together a comprehensive document. There are a couple of apparent gaps that worry me though. Last year I wrote to you raising several points. Three of these are:</p> <ul style="list-style-type: none"> • That the monitoring inspections should be someone employed by the quarry owners to write the reports needed) • That environmental monitoring (especially of the water related issues) should be done monthly, if not even more frequently; that “annual inspection and reporting was inadequate. • I noted that the quarry management had not effectively done much in the way of early rehabilitation of areas already worked out and no longer being exploited; I noted that I presumed that there was some sort of “plan” in that respect in the previous document/s. The upshot being that, personally, I do not have any confidence in the quarry management actively started such a programme of rehabilitation. <p>You responded in a letter dated 11 February 2015. Part of your response referred to there being no directive from the DMR enforcing independent monitoring. I have addressed this problem below:</p>	
<p>10.2 Operational Phase (pg. 19) : There is much said about protection of areas such as wetlands, riparian, etc; but there is no “operational activity” that speaks of commencing rehabilitation in areas that have been worked out and are no longer being exploited. It is my experience that if all rehabilitation is left to the closure phase (i.e. when the quarry is no longer producing revenue / income), then the owners plead poverty and the rehabilitation is severely cut back or in some cases, simply not done at all. It is my opinion that the best way to counteract that management style is to ensure that rehabilitation starts before the quarry is closed from a production point of view. Thus, it will be necessary to have provision in the “operational phase” list of activities, methodologies, etc made for on-going partial rehabilitation during the operating phases of the quarry.</p>	<p>Section 10.2 Operational Phase of the Environmental Management Programme Report (EMPr) states under the heading “visual impact of mining activities” that progressive rehabilitation and re-vegetation is to be undertaken in areas where no further mining is planned during the operational phase. No benches have been closed to date, and many of the existing benches will be used for access to the section of quarry to be mined in future. Once the benches are no longer in use South Coast Stone Crushers (SCSC) will commence with progressive rehabilitation.</p> <p>SCSC has made financial provision for closure and rehabilitation of the mine; this is updated on an annual basis and submitted to the DMR. It is in SCSC’s best interest undertake progressive rehabilitation as it will reduce the</p>

	<p>amount of financial provision which is required upon closure and therefore SCSC will undertake progressive rehabilitation on areas no longer in operation.</p> <p>Guidelines for rehabilitation and revegetation have been provided in the Floral and Faunal Assessment attached to Appendix C of the Impact Assessment Report.</p> <p>SRK has advised SCSC that a Closure and Rehabilitation Plan needs to be drafted for the mine and this will be the next step once DMR has approved the EMPr.</p>
<p>10.3 Closure Phase (pg. 23): It is only after operations have ceased at closure that there is mention made of “rehabilitation”. As stated above, I am of the opinion that this is a major omission in the “Operational Phase”. Rehabilitation to re-establish the natural vegetation and biodiversity needs to be done progressively as areas of the quarry are worked out and active quarrying of each area stops. Also note that I am of the opinion that the quarry owners will try to prevent such an inclusion by arguing that they “might decide” to extend the quarry further at some unspecified future date. There must be a delimitation on the eastward and/or northward boundaries where no further “expansion” will be permitted due to proximity of the established township of Uvongo, the Municipal Sewage Treatment Works, private property, the proclaimed road reserve, and the proclaimed Skyline Nature Reserve to the north of this road.</p>	<p>We are in agreement with this comment and as mentioned above provision has been made in the EMPr for rehabilitation during the operational phase. The EMPr, once approved by the Department of Mineral Resources (DMR) will become a binding document, as such failure to comply with the EMPr will constitute an offence and SCSC, its tenants and contractors can be liable for legal action. Therefore SCSC intend to abide conditions and requirements of the EMPr.</p> <p>At present the mining right only allows mining to be conducted within the specified boundaries, as covered by this EMPr. At this stage SCSC is not intending to quarry outside the area covered by its mining right.</p> <p>It has been recommended to the mine management that they have to decide on feasible closure objectives and identify a final land-use post-closure. The closure objectives and proposed post-closure land-use must be revised on an annual basis and the financial provision updated to reflect the proposed closure requirements.</p>
<p>11. Monitoring – Table 11-1 refers (pg. 24): During the “Expansion Phase” there will be fortnightly monitoring with monthly reporting. However, during the “Operation Phase” (the proposed extent of further operation is some 26 years) the monitoring frequency is marked as “annual” with the reporting also “annual”. I have had occasion to visit the quarry site during</p>	<p>In terms of monitoring- SCSC are in the process of applying for a Water Use License (WUL). As part of the WULA an Integrated Water and Waste Management Plan (IWWMP) has been compiled by WSP and submitted to the Department of Water and Sanitation (DWS) in May 2016. As part of the IWWMP monitoring requirements have been set, these requirements are</p>

working hours to enquire about and ordering crushed stone products for a project that I was building on the property that I co-own. The state of the area let to NPC Ready-Mix batching plant and drum-truck deliveries was hardly as envisaged by the presently proposed EMPr. There was cement-polluted wash-water every-where and my vehicle came away well and truly soiled (note that I only used the indicated roadways to drive on in order to access the offices). That means that the designated “wash-down area” was either not being used and vehicles were being washed outside of this area, or the designated area was not able to cope with the volume / number of vehicles so that it was “overflowing”, or perhaps both; and also the batching plant area was being indiscriminately “washed”. I did not get out of my vehicle (except at the two offices I visited) so did not “inspect” the area and the adjacent river, because I felt that I was there as a potential customer and had no “right” to go anywhere other than the two offices. I am determined that “annual monitoring” is definitely not adequate for the following reasons:

- The person authorised to do the monitoring is to be employed by the quarry owners for that specific purpose. I am concerned regarding the quality and timing of such monitoring site inspections because of the “He who pays the piper calls the tune” principle.
- The site management will be forewarned of the E.O.’s impending visit and will make sure that everything is squeaky clean – a small price to pay if it only happens once a year and probably during a non-working period. I have worked too long in the civil engineering industry to have much confidence in quarry site management practices.

The only way that I can see to avoid this kind of “covering-up poor operating management”, is by having a truly independent competent person appointed by the Dept. of Mineral Resources (DMR) to undertake spot inspections at irregular intervals not exceeding 6 weeks. Yes, the NEMBA requires the owners to also have their own E.O.; this person will have to co-operate with the “independent assessor”. And the only way I can see for

listed below and are subject to approval by the DWS :

- Sampling of the monitoring wells will be undertaken on a biannual basis to assess potential impacts of the SCSC operations on the groundwater;
- Surface water monitoring in the Vungu River will be undertaken on a monthly basis at monitoring points, one upstream of SCSC and the other downstream of SCSC.
- Biomonitoring will be conducted by an accredited South African Scoring System (SASS) practitioner once every two years, alternating between wet and dry season.
- Waste monitoring will conform to SCSC waste Management Procedure which outlines monitoring requirements of various waste types and defines the manner in which waste is stored and disposed on site.

The DMR may stipulate further monitoring requirements based on the comments and recommendations received from the commenting authorities.

In response to the comment regarding the wash down area, the washout drum, which was previously not in operation has been repaired and is now in operation. All trucks now wash out into the drums before leaving the site.

SCSC is also in the process of purchasing a new pump, which will be used to reuse water in the production of concrete. This will alleviate the issue of excess water pooling in the plant. Due to financial constraints the pump can only be purchased toward the end of the year, i.e. end 2016.

<p>establishing this kind of inspection regime, is by having it included in the EMPr. That means the EMPr will allocate responsibilities involving both the quarry management / owners, and the relevant controlling Government Departments. It is my opinion that the imposition of such “shared responsibilities” is fair, and constitutionally correct.</p> <p>Also please note that I do not believe the DMR has the resources (people) to undertake monthly inspections at every site that falls under their jurisdiction. I am of the opinion that provision must be made in the EMPr that will assist the DMR in performing their duties.</p>	
<p>13 Decommissioning and Closure (pg. 25) :13.1 : mention is made of “... natural vegetation and biodiversity to establish over time post closure ...”. This rather vague expression “over time” needs to have some sort of parameters set, and defined in the EMPr. An expert in plant biology would be in the best position to advise on such time parameters.</p> <p>13.3 : reference is made to decommissioning diesel and petrol storage facilities, the possible contamination of the soil, and how to deal with the problem (removal to a hazardous waste disposal site). The clause goes on to mention, “If there is heavy contamination ...”. If the term “heavy contamination” is left undefined, it is subjective and open to dispute. A suitable definition must be spelt out in the EMPr; I suggest that the state of contamination be determined in terms such as “grams of contaminant per kilogram of soil”, or “grams of contaminant per cubic meter of soil”, or some similar method. Thus the level of contamination can be classified into “mild”, “medium”, and “heavy”. May I also note that “petrol” is largely volatile and “evaporates” quite quickly and the “residue” is quite difficult to pick up; so the “contamination” will have dispersed and the environmental damage will not be measured. Diesel, being an oil, is less volatile and the “residue” is likely to be the larger portion.</p>	<p>We are in agreement with these comments and the EMPr has been updated to include a measurable unit for heavy contamination. All diesel spills will be cleared to the depth of the spill and disposed of accordingly. However if the spill is greater than 200 litres then a contamination specialist will be consulted to remove the spill and a reportable Section 30 Incident will be triggered as per the National Environmental Management Act (NEMA) Act 107 of 1998.</p> <p>A timeframe in terms of re-establishment of natural vegetation would be detailed in the closure and rehabilitation plan, which is still to be compiled.</p>
<p>App. B: IAR : App. C “Floral and Faunal Assessment and Management Plan”; pg.2 Figure 1 Topographical Map: The 1:50,000 map presented is very old; the information it contains is of interest historically and shows information</p>	<p>The Floral and Faunal Assessment has since been updated to include a more recent topographical map.</p>

<p>that is probably useful. This Figure needs to have reference made to the historical nature of this map, which does not show either the development of Uvongo Drive, or the position of the highway. The inclusion of a more recent topographical map, together with the digital satellite image, is necessary to understand the current impacts of the existing developments and the expected impacts of the proposed mining extension.</p>	
<p>App. B: IAR : the report does not appear to refer to the existing Uvongo River Conservation Area, which is a proclaimed conservancy (this Conservancy is not indicated on any of the maps / figures included in the report). The Conservancy is downstream of the Quarry Site and is subject to pollutants exiting from the Quarry Site. It is my opinion that this Conservancy should be included in the “wider impact stress analysis” of the IAR.</p>	<p>The IAR does make mention of two nature reserves which surround the site. (one being the Skyline Nature Reserve and the other the Uvongo River Nature Reserve). The Uvongo Nature River Reserve is marked on the locality map on page 2 of the EMPr, and was considered during the assessment.</p> <p>Furthermore, many of the mitigation measures that were developed for the EMPr are aimed at minimising impacts on site as well as off-site receptors. For this reason we believe that the mitigation measures provided are sufficient to protect off site areas, such as the Uvongo Nature River Reserve.</p>
<p>My purpose in writing to you is because I think my comments are important, and the relevant matters must be addressed in the EMPr.</p> <ul style="list-style-type: none"> I am aware that my remarks regarding the “independence” of the E.O. are not enforceable in terms of the current regulations etc. I suppose we are stuck with that. But at least the frequency of the monitoring needs to be much more than merely “annual”. I am of the opinion that the regulations set the “minimum parameters” that will satisfy the Act; there is – as far as I know – nothing about doing more than the mere minimum, especially where the additional effort will promote a positive result. 	<p>Please refer to response relating to this issue further above, which includes the additional requirements from the IWWMP.</p>
<ul style="list-style-type: none"> Could you please inform me regarding what checking the relevant Departments do and how often, and what prior notice do they give to the site management, et al (during the operational phase of the site) ? I am aware that they try to do inspections from time to time (that is what used to happen at the Municipal Solid Waste disposal sites when I was employed in that department of the Johannesburg City Council). I do think that the DMR or DEA or DWA (or all three) 	<p>In 2015, there were three visits from the DMR, DWS and an independent auditor. The DMR provides a days’ notice for a site inspection. The Department of Agriculture Forestry and Fisheries (DAFF) also conducted a site inspection in 2016. In addition to this, National Asphalt (a tenant on site) also has their own licenses and therefore government authorities conduct site visits on their site (the details of these authority site inspections have not been disclosed to SCSC).</p>

<p>need to put such a directive into the whole basket of effective monitoring. On the other hand, if the duly employed E.O. is from a firm such as yours, then the confidence levels will rise considerably.</p>	<p>SCSC is also independently audited once a year by the Aggregate and Sand Producers Association of Southern Africa (ASPASA), and as part of their audit they look at Safety Health and Environmental (SHE) requirements.</p>
<ul style="list-style-type: none"> • An early start to the rehabilitation of areas where mining has been completed must be enforceable in terms of the EMPr. 	<p>We believe that as mentioned above, this has been adequately addressed within the EMPr and will be further detailed in the Closure and Rehabilitation Plan.</p>



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Enq: Ms K. Methula
File: 16/2/7/T402/D4/X1
Date: 30 January 2015
Tel: 031 336 2765
Fax: 031 305 9915
Email: Methulak@dwa.gov.za

P.O. Box 1018, Durban, 4000. 88 Joe Slovo Street, Southern Life Building, Durban, 4001. Tel: (031) 336 2700, Fax (031) 304 9546. www.dwa.gov.za

SRK Consulting
P O Box 1969
WESTVILLE
3630

Attention: Romi Bellusci

Dear Madam

BACKGROUND INFORMATION DOCUMENT FOR THE APPLICATION OF AMENDMENT TO THE ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPR) FOR SOUTH COAST STONE CRUSHERS, MARGATE, KWAZULU-NATAL.

Reference is made to the afore-mentioned document submitted to this Office, dated November 2014.

This Department has no objection to the proposed extension of the existing mining area. The Environmental Management Programme must address the following:

1. The management of solid waste material generated by the operation.
2. A stormwater management plan/system for the site.
3. Wastewater and sewage treatment and/or management
4. Erosion control measures implemented on site.
5. Management of overburden.
6. Spill contingency plan.

In addition to the above, the following is applicable:

1. It is understood that the site is bounded by a watercourse; this Department would like to bring to the attention of the Applicant that a Water Use Authorisation is required for all activities within the riparian habitat or 1:100 year floodline or a horizontal distance of 100 meters from any watercourse. In addition, any activity taking place within a 500 m radius from the boundary of a wetland requires a Water Use Licence.
2. Please note that no person may use water otherwise as permitted under the National Water Act (Act No 36 of 1998) (NWA). Commencing with a water use in terms of Section 21 of the NWA without prior authorisation from this Department is unlawful in terms of Section 151 of the NWA and the water user will be guilty of an offence and liable for a fine or imprisonment as stipulated in Section 151 of the NWA.

Batho Pele putting people first

11/01/15
Page 1 of 2
FILE No.

3. It is the responsibility of the Applicant to identify all water uses applicable to his undertakings in terms of Section 21 of the NWA and ensure that all applicable water uses are authorised as such. The Applicant must consult with this Department if clarity is required with regard to water uses and water use authorisations. These water uses are listed in Table 1:

Table 1: Water Uses as per Section 21 of the NWA

S21(a)	taking water from a water resource;
S21(b)	storing water;
S21(c)	impeding or diverting the flow of water in a watercourse;
S21(d)	engaging in a stream flow reduction activity (currently only commercial afforestation);
S21(e)	engaging in a controlled activity – activities which impact detrimentally on a water resource (activities identified in s37(1) or declared as such under s38(1)) namely: <ul style="list-style-type: none"> ➤ irrigation of any land with waste or water containing waste which is generated through an industrial activity or a waterwork; ➤ an activity aimed at the modification of atmospheric precipitation; ➤ a power generation activity which alters the flow regime of a water resource; or ➤ intentional recharge of an aquifer with any waste or water containing waste
S21(f)	discharging waste or water containing waste into a water resource through a pipe, canal, sewer, sea outfall or other conduit;
S21(g)	disposing of waste or water containing waste in a manner which may detrimentally impact on a water resource;
S21(h)	disposing in any manner of water which contains waste from, or has been heated in, any industrial or power generation process;
S21(i)	altering the bed, banks, course or characteristics of a watercourse;
S21(j)	removing, discharging or disposing of water found underground if it is necessary for the efficient continuation of an activity or for the safety of people; and
S21(k)	using water for recreational purposes

4. This Department recommends that a pre-application meeting be held with the representatives of and/or the Applicant to discuss the technical requirements necessary for the submission of the Water Use Licence Application. Please contact Ms Zamashenge Hadebe of this Department's Water Use Authorisation Unit on (031) 336 2767/2700 in this regard.
5. Notwithstanding the above, the responsibility rests with the Applicant to identify all sources or potential sources of pollution from its undertaking and to take appropriate measures to prevent any pollution of the environment. Failure to comply with the requirements of the NWA could lead to legal action being instituted against the Applicant.

Please do not hesitate to contact this Office should you have any comments or queries.

Yours faithfully



for REGIONAL HEAD: KWAZULU-NATAL
KM/km/13607





10 September 2015
483383_belr_1509010

Department of Water and Sanitation
88 Joe Slovo Street
Southern Life Building
Durban
4001

Attention: Ms. K. Methula

Dear Ms. Methula

South Coast Stone Crushers Environmental Management Programme (EMPr)

This letter serves in response to the letter received from the Department of Water and Sanitation (DWS) on the 30 January 2015. The compilation of the Environmental Management Programme (EMPr) and our response has been delayed due to a change in environmental legislation which came into effect on 04 December 2014 and has implications on the structure of the amended EMPr (also refer to our letter attached to appendix A of this letter).

In response to your requirements the following refers:

- The management of solid waste will be addressed in the EMPr;
- A stormwater management plan is being compiled and will be appended to the EMPr;
- Wastewater and sewage treatment on site will be addressed in the EMPr;
- Erosion control and management of spoil will be addressed in the EMPr; and
- A Spill contingency plan will be appended to the EMPr.

A Water Use Licence (WUL) is in the process of being applied for by South Coast Stone Crushers (SCSC) and a pre-application meeting and site visit has been held with DWS.

Specialist studies are currently underway and the EMPr will be updated with the specialist's findings and recommendations prior to circulation for comment. The Draft EMPr is expected to be finalised and released for comment by the end of October

Should you have any further issues or concerns, do not hesitate to contact the undersigned.

Partners AH Bracken, MJ Braune, JM Brown, CD Dalgliesh, JR Dixon, BM Engelsman, R Gardiner, GC Howell, WC Joughin, DA Kilian, PR Labrum, BF Liber, DJ Mahlangu, RRW McNeill, HAC Meintjes, MJ Morris, GP Nel, VS Reddy, M Ristic, PE Schmidt, PJ Shepherd, MJ Sim, VM Simposya, AA Smithen, HFJ Theart, KM Uderstadt, AT van Zyl, DJ Venter, MD Wanless, ML Wertz, A Wood

Directors AJ Barrett, JR Dixon, GC Howell, V Maharaj, DJ Mahlangu, VS Reddy, PE Schmidt, PJ Shepherd

Associate Partners R Armstrong, N Brien, SE Coetser, M Hinsch, AH Kirsten, LH Kirsten, S Kisten, JA Lake, V Maharaj, SA McDonald, RD O'Brien, T Shepherd, JJ Slabbert, D Visser

Consultants AC Burger, *BSc(Hons)*; JAC Cowan, *PrSciNat, BSc(Hons)*; JH de Beer, *PrSci Nat, MSc*; T Hart, *MA, TTHD*; Dr GA Jones, *PrEng, PhD*; TR Stacey, *PrEng, DSc*; Dr OKH Steffen, *PrEng, PhD*; PJ Terbrugge, *PrSciNat, MSc*; DW Warwick, *PrSciNat, BSc(Hons)*

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Reg No 1995.012890.07

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South America



Yours faithfully,

SRK Consulting (South Africa) (Pty) Ltd



Romi Bellusci
Environmental Scientist

Appendix A: Notification Letter regarding EMPr Amendment



18 August 2015
483383/jord/1508012

Attention: Interested and Affected Party

Dear Interested and Affected Party

Feedback on the Application for the Amendment to the Environmental Management Programme (EMPR) for South Coast Stone Crushers, Margate, KwaZulu-Natal

In November 2014 Interested and Affected Parties (IAP's) were notified of South Coast Stone Crushers' (SCSC's) intent to update the approved Environmental Management Programme Report (EMPR) for the Margate quarry. In addition, SCSC proposed to amend the EMPR to make provision for mining an additional area to the west of the quarry. The proposed update and revision of the EMPR were at that time, subject to the requirements of the Minerals and Petroleum Resources Development Act (No. 28 of 2002) (MPRDA).

The update of the EMPR is necessitated by the fact that the SCSC EMPR was last revised in 2000 and as such the information and management measures are outdated. The revision of the EMPR is necessitated as SCSC is proposing to extend the existing mining area by an additional 13 hectares in a westerly direction, in an effort to align the benches and optimise the available mine area.

On 04 December 2014 amendments to the National Environmental Management Act (No. 107 of 1998) (NEMA) and its associated Environmental Impact Assessment (EIA) Regulations were gazetted. The amendments had implications for the amendment of SCSC's EMPR as EMPR's for mines were previously subject to the requirements of the MPRDA, but are now subject to the requirements of the NEMA. The implication of the change is that the amendment to the EMPR will need to conform to the requirements as provided in Appendix 4 of the NEMA EIA Regulations. Under the MPRDA, an Environmental Management Programme Report (EMPR) referred to a single document in which impacts were assessed and an EMPR was documented. Under NEMA, the term Environmental Management Programme report (EMPr) refers to a stand-alone report documenting an EMPr following an assessment of all potential impacts. Although the legislation governing EMPR's/EMPr's has changed, the competent Authority remains the Department of Mineral Resources (DMR).

In order to clarify the legislative changes and associated requirements SRK Consulting (SRK) met with the DMR on 03 March 2015 to discuss the format for the update of the EMPR. It was decided that a single EMPr, which covers current operations and proposed extensions to the mine area (Appendix A), would be the most practical option. The compilation of a single updated EMPr, in the NEMA EMPr format will ensure uniformity in management and monitoring measures and eliminate user confusion brought about by two separate EMPR's under different sets of legislation.

Partners AH Bracken, MJ Braune, JM Brown, CD Dalglish, JR Dixon, BM Engelsman, R Gardiner, GC Howell, WC Joughin, DA Kilian, PR Labrum, BF Liber, DJ Mahlangu, RRW McNeill, HAC Meintjes, MJ Morris, GP Nel, VS Reddy, M Ristic, PE Schmidt, PJ Shepherd, MJ Sim, VM Simposya, AA Smithen, HFJ Theart, KM Uderstadt, AT van Zyl, DJ Venter, MD Wanless, ML Wertz, A Wood

Directors AJ Barrett, JR Dixon, GC Howell, V Maharaj, DJ Mahlangu, VS Reddy, PE Schmidt, PJ Shepherd

Associate Partners R Armstrong, N Brien, SE Coetser, M Hinsch, AH Kirsten, LH Kirsten, S Kisten, JA Lake, V Maharaj, SA McDonald, RD O'Brien, T Shepherd, JJ Slabbert, D Visser

Consultants AC Burger, *BSc(Hons)*; JAC Cowan, *PrSciNat, BSc(Hons)*; JH de Beer, *PrSci Nat, MSc*; T Hart, *MA, TTHD*; Dr GA Jones, *PrEng, PhD*; TR Stacey, *PrEng, DSc*; Dr OKH Steffen, *PrEng, PhD*; PJ Tebrugge, *PrSciNat, MSc*; DW Warwick, *PrSciNat, BSc(Hons)*

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South America



Subsequent to the meeting with DMR, SCSC commissioned specialist studies to inform an Assessment Report to be compiled for the entire SCSC mining area. The specialist studies include an Aquatic and Terrestrial Biodiversity Impact Assessment and Wetland Delineation and Assessment. The consolidated Assessment Report will include the findings and recommendations of all specialist studies undertaken and the management and monitoring requirements will be included in the EMPr.

The final document that will be submitted to DMR will be an EMPr with the Assessment Report appended. The EMPr will be made available for public comment prior to being released to DMR for approval. All IAPs will be informed once the EMPr is available for comment.

Please do not hesitate to contact the undersigned should you have any queries or comments.

Yours faithfully,

SRK Consulting (South Africa) (Pty) Ltd



R. Bellusci
Environmental Scientist



W. Jordaan (Pr.Sci.Nat)
Principal Scientist

Appendix A: Maps



SOUTH COAST STONE CRUSHERS: PROGRESSIVE REHABILITATION MAP

Key:

- Current Mining Area
- Proposed Mining Area (2015- 2020)
- Proposed Mining Area (2020 – 2036)
- Rehabilitation Zone (2015)



Data Source:	
Scale: 1:25 000	
Projection: TM	Datum: 11164
Central Meridian/Zone: Lo 31	
Date: 18/11/2014	Compiled by: ALLK
Project No: 483383	Fig No: 1
Revision: A Date: 24/11/2014	

Bellusci, Romi

From: Methula Khethiwe (DBN) <MethulaK@dwa.gov.za>
Sent: 02 February 2015 03:49 PM
To: Bellusci, Romi
Subject: RE: south coast stone crushers - request for site inspection

Dear Ms Bellusci

This is much appreciated, thank you.

Thank you

Khethiwe Methula

**DEPARTMENT OF WATER AND SANITATION
WATER QUALITY MANAGEMENT**

**Address: 7th Floor, Southern Life Building, 88 Joe Slovo Street, Durban, 4000
P.O. Box 1018, Durban, 4000**

Telephone: 031-336-2765 | Cell: 083 303 6256 | Fax: 031 305 9915

Email: Methulak@dwa.gov.za | www.dwa.gov.za



water & sanitation

Department
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

**Taking a five-minute shower a day
instead of a bath, will use
of the water, saving up
of water a week.**

From: Bellusci, Romi [mailto:RBellusci@srk.co.za]
Sent: 02 February 2015 03:35 PM
To: Methula Khethiwe (DBN)
Subject: RE: south coast stone crushers - request for site inspection

Dear Ms. Methula,

I have forwarded your email to Ms. Deepa Seepersad of NPC. You can contact her directly to set up a meeting. Her contact details are listed below.

**Deepa Seepersad
Environmental Officer
Phone: +27 (31) 450 4434
Dseepersad@intercement.com**

Should you have any queries or concerns, do not hesitate to contact me.

Regards

Romi Bellusci BA Hons (Geography and Environmental Management)
Environmental Scientist



SRK Consulting (South Africa) (Pty) Ltd.
2nd Floor IBM House, 54 Norfolk Terrace, Westville
PO Box 1969, Westville, 3630
Tel: +27-31-279-1200; Fax: +27-31-279-1204

www.srk.co.za

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From: Methula Khethiwe (DBN) [mailto:MethulaK@dwa.gov.za]
Sent: 02 February 2015 03:25 PM
To: Bellusci, Romi
Subject: RE: south coast stone crushers - request for site inspection

Ms Bellusci

A reminder to your email below.

Thank you

Khethiwe Methula
DEPARTMENT OF WATER AND SANITATION
WATER QUALITY MANAGEMENT

Address: 7th Floor, Southern Life Building, 88 Joe Slovo Street, Durban, 4000
P.O. Box 1018, Durban, 4000

Telephone: 031-336-2765 | Cell: 083 303 6256 | Fax: 031 305 9915

Email: Methulak@dwa.gov.za | www.dwa.gov.za



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Department
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Taking a five-minute shower a day instead of a bath, will use less of the water, saving up to 100 litres of water a week.

From: Bellusci, Romi [mailto:RBellusci@srk.co.za]
Sent: 30 January 2015 12:35 PM
To: Methula Khethiwe (DBN)
Subject: RE: south coast stone crushers - request for site inspection

Thank you, Ms. Methula.

I will contact you on Monday regarding setting up a site visit.

Regards

Romi Bellusci BA Hons (Geography and Environmental Management)
Environmental Scientist



SRK Consulting (South Africa) (Pty) Ltd.

2nd Floor IBM House, 54 Norfolk Terrace, Westville
PO Box 1969, Westville, 3630

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Please consider the environment before printing this e-mail.

From: Methula Khethiwe (DBN) [<mailto:MethulaK@dwa.gov.za>]
Sent: 30 January 2015 11:01 AM
To: Bellusci, Romi
Subject: RE: south coast stone crushers - request for site inspection

Hi

Herewith find the attached comments on the bid.

Thank you

Khethiwe Methula
DEPARTMENT OF WATER AND SANITATION
WATER QUALITY MANAGEMENT

Address: 7th Floor, Southern Life Building, 88 Joe Slovo Street, Durban, 4000
P.O. Box 1018, Durban, 4000

Telephone: 031-336-2765 | Cell: 083 303 6256 | Fax: 031 305 9915

Email: Methulak@dwa.gov.za | www.dwa.gov.za



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Department:
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Taking a five-minute shower a day instead of a bath, will use less of the water, saving up to 100 litres of water a week.

From: Methula Khethiwe (DBN)
Sent: 30 January 2015 08:56 AM
To: rbellusci@srk.co.za
Subject: south coast stone crushers - request for site inspection

Good morning Romi

I trust that you're well.

The Water Quality Management Section of this Department would like to conduct an inspection of the site just to look at activities (mainly pertaining to water and wastewater management on site) that may have impact on the water resource. Perhaps if we can get contact details of the applicant/client so that we can make arrangements for the site visit.

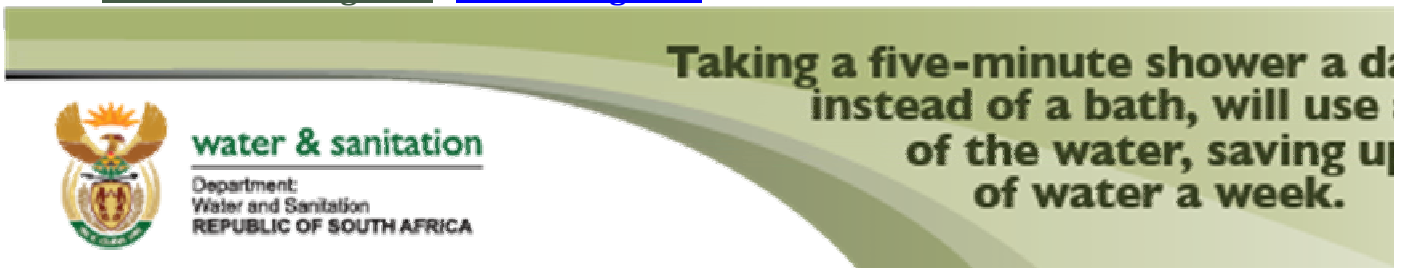
Thank you

Khethiwe Methula
DEPARTMENT OF WATER AND SANITATION
WATER QUALITY MANAGEMENT

Address: 7th Floor, Southern Life Building, 88 Joe Slovo Street, Durban, 4000
P.O. Box 1018, Durban, 4000

Telephone: 031-336-2765 | Cell: 083 303 6256 | Fax: 031 305 9915

Email: Methulak@dwa.gov.za | www.dwa.gov.za



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Background Information Document

REVISION AND AMENDMENT TO THE ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPR) FOR SOUTH COAST STONE CRUSHERS, MARGATE, KWAZULU-NATAL
REGISTRATION AND COMMENT SHEET
STAKEHOLDER ENGAGEMENT
Romi Bellusci
P O Box 1969, Westville, 3630
Tel: +27 (0)31 279 1213
Fax: +27 (0)31 279 1204
Email: rbellusci@srk.co.za

Please complete and submit your comments to the Stakeholder Engagement Contact Person by the 5th December 2014

TITLE	MS	FIRST NAME	FEZIWE
INITIALS	F. P	SURNAME	MHLONGO
ORGANISATION	HIBISCUS COAST MUNICIPALITY		
POSTAL ADDRESS	P. O Box 5		
	PORT SHERSTONE	POSTAL CODE	4240
LAND LINE TEL NO	039 688 2277 / 2000	CELL NO	073 992 0058
FAX NO	086 533 9903	EMAIL	Feziwe.Mhlongo@hcm.gov.za

REGISTRATION AS AN INTERESTED AND AFFECTED PARTY (I&AP) (please mark applicable box with X)

Please formally register me as an interested and affected party (I&AP)	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
I would like my notifications by:		
Letter (mail):	E-mail: <input checked="" type="checkbox"/>	Fax: <input type="checkbox"/> Telephone: <input type="checkbox"/>
Please complete section below with your comments		
Comments (Please use a separate sheet if you wish) KINDLY SEND COPY OF EMPR IN ORDER FOR MUNICIPALITY TO COMMENT ACCORDINGLY. REGARDS		

THANK YOU FOR YOUR CONTRIBUTION

NAME: FEZIWE MHLONGO	SIGNATURE:	DATE: 08/12/2014
----------------------	------------	------------------



KAIROS EIRENES

Lot 1987 Interlaken Drive, UVONGO



P. O. Box 516
UVONGO
4270
South Africa

Email : Rik : rikandrab@Gmail.com

Wednesday, 26 November 2014

SRK Consulting (SA) (Pty) Ltd
P.O. Box 1969,
WESTVILLE
3630.

E-mail : rbellusci@srk.co.za

Attention : Ms. R. Bellusci

Re : **SOUTH COAST STONE CRUSHERS, MARGATE, KWAZULU-NATAL
NOTICE OF APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL
MANAGEMENT PROGRAMME**

Dear Madam,

Please will you register the following as an AFFECTED AND INTERESTED PARTY.

The owners of Lot 1987 OVONGO
Mr. R. A. Coke
Mrs. L. Roborg-Coke (please note my wife's surname is Roborg-Coke)
Mr. V. A. Adlem
Mr. E. R. Adlem

We were made aware of the quarry and its operations during the course of the purchase of this property. At that time there was no mention made of future expansion work to be undertaken by the quarry owners / operators.

1. Please note that our property is in the immediate vicinity of the overall quarry site.
2. Could you please supply us with a drawing of the lots of land owned by the quarry with the position of our property shown on the drawing.
3. At this stage we appear to be affected by the proposed expansion programme; nevertheless let us enter into an open discussion where the intentions can be fully disclosed before opposition becomes necessary. It is hoped that a fair outcome for all parties involved can be arrived at.
4. We note that a Department of Water Affairs research document read on the internet states that the quarry works impact the Ivungu River water quality and that the river from the work-site is viewed as being "environmentally dead".
5. We were given to understand that in terms of the current EMP, the owners / operators of the quarry are under an obligation to rehabilitate the quarry site as work proceeds using both non-invasive grasses and also trees. To date we are not aware of any trees being planted and duly cared for. This eventuality is of concern for further works and expansion.
6. In relation to point No.4 above, it is unfortunate that many "developers" will promise anything to gain approval, but they seldom implement their promises fully, and plead

poverty to escape prosecution. There needs to be an independent officer appointed to oversee the EMP implementation particularly the rehabilitation aspects thereof. It is our opinion that infrequent control inspections result in further damage and costs to the environment. The EMP rehabilitation plan needs to be implemented long before closure of the work-site takes place; this opinion is held due to the high cost of rehabilitation, which is made worse of left until after closure of the work-site.

If it necessary, please register Mr. R. A. Coke as the representative / contact person for the owners of Lot 1987. Note that Mr. Coke is one of the owners of the Lot 1987.

Please will you take into consideration that I, Richard Coke, was employed by SRK (Johannesburg) and worked in the section run by Mr. Brian Middleton. I was the R.E. on the Platberg Mine Rehabilitation job (1986 near Ladysmith in the KZN Midlands). I am well acquainted with SRK's professionalism and good relations with both the relevant Govt. Departments and the mining sector. I am still proud to remember my association with SRK and Mr. Middleton in particular. I hope that our interaction will be viewed in a "positive effect" attitude; that is indeed our intention. I am a firm believer in "It is all about making friends with the relevant people, and then approaching the perceived problems".

Yours sincerely,

A handwritten signature in black ink, appearing to read 'R. A. Coke', is centered on the page. The signature is written in a cursive, flowing style.

Richard A. Coke
Pr. Eng. No. 760149 (Retired)

Bellusci, Romi

From: Bellusci, Romi
Sent: 21 January 2016 10:14 AM
To: Bellusci, Romi
Subject: FW: South Coast Stone Crushers Application iro EMP

From: Bellusci, Romi
Sent: 04 December 2014 04:00 PM
To: 'Rik Coke'
Subject: RE: South Coast Stone Crushers Application iro EMP

Dear Mr. Coke

We are still in the process of drafting you a formal response. However in the mean-time, please see attached map depicting the proposed development in relation to your property.

Regards

Romi Bellusci BA Hons (Geography and Environmental Management)
Environmental Scientist



SRK Consulting (South Africa) (Pty) Ltd.

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11 February 2015
483383/belr/1501008

P.O Box 516
Uvongo
4270
South Africa

Attention: Mr. Richard Coke

Dear Mr. Coke

RE: South Coast Stone Crushers, Margate – Notice of Application for Amendment to the Environmental Management Programme.

This letter serves as a response to the letter submitted by you to SRK Consulting (Pty) Ltd (SRK) on the 26th November 2014. The compilation of the EMPR and our response has been delayed due to a change in legislation on 08 December 2014, which may have implications for the project. Therefore we are providing an interim response to your queries, where possible.

In response to your queries, the following refers:

- A map showing the location of your property in relation to the proposed extension was emailed to you on 4 December 2014;
- There will be a section within the EMPR that will address the rehabilitation of the quarry and a rehabilitation plan will be compiled and included in the EMPR
- In terms of water quality, South Coast Stone Crushers (SCSC) currently undertakes yearly monitoring and the EMPR will recommend ongoing monitoring and the results of historical analysis will be made available in the Draft EMPR and the Water Use Licence (WULA) currently underway for the project.
- As part of the WULA process a meeting will be held with the Department of Water and Sanitation (DWS) to assess and address any water related issues, any requirements specified by the DWS will be adhered to; and
- Currently there is no directive from the Department of Mineral Resources (DMR) which enforces independent monitoring for compliance with the EMPR. Should the DMR issue such a Directive SCSC will undertake such monitoring.

As per your request, SRK has added you and the listed persons to the Interested and Affected Parties (IAP) database and you will be notified of the submission of the Draft EMPR, should you wish to review the document and provide comments. A wetland assessment is currently underway and the EMPR will be updated with the wetland specialist's findings and recommendations prior to circulation for comment.

Partners AH Bracken, MJ Braune, JM Brown, CD Dalglish, JR Dixon, DM Dulthe, BM Engelsman, R Gardiner, GC Howell, WC Joughin, DA Kilian, PR Labrum, B Liber, DJ Mahlangu, RRW McNeill, HAC Meinjes, JA Middleton, MJ Morris, WA Naismith, GP Nel, VS Reddy, M Ristic, PN Rosewarne, PE Schmidt, PJ Shepherd, MJ Sim, VM Simposya, AA Smithen, HFJ Theart, KM Uderstadt, AT van Zyl, DJ Venter, ML Wertz, MD Wanless, A Wood

Directors AJ Barrell, JR Dixon, PR Labrum, V Maharaj, DJ Mahlangu, VS Reddy, PE Schmidt, PJ Shepherd

Associate Partners R Armstrong, N Brien, L Coetser, M Hirsch, AH Kirsten, Dr LH Kirsten, S Kisten, JA Lake, V Maharaj, SA McDonald, RD O'Brien, T Shepherd, JJ Slabbert, D Visser

Consultants AC Burger, *BSc(Hons)*, JAC Cowan, *PrSciNat, BSc(Hons)*, JH de Beer, *PrSci Nat, MSc*, T Hart, *MA, TTHD*, GA Jones, *PrEng, PhD*, TR Stacey, *PrEng, DSc*, OKH Steffen, *PrEng, PhD*, PJ Terbrugge, *PrSciNat, MSc*, DW Warwick, *PrSciNat, BSc(Hons)*

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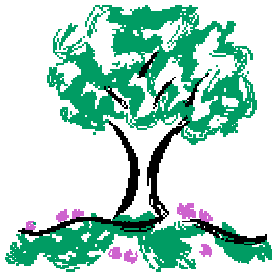
Should you have any queries or concerns do not hesitate to contact the undersigned.

Yours faithfully,

SRK Consulting (South Africa) (Pty) Ltd



Romi Bellusci
Environmental Scientist



KAIROS EIRENES

Lot 1987 Interlaken Drive, UVONGO



P. O. Box 516
UVONGO
4270
South Africa

Email : Rik : rikandrab@Gmail.com

Thursday, 12 February 2015

SRK Consulting (SA) (Pty) Ltd
P.O. Box 1969,
WESTVILLE
3630.

E-mail : rbellusci@srk.co.za

Attention : Ms. R. Bellusci

Re : **SOUTH COAST STONE CRUSHERS, MARGATE, KWAZULU-NATAL
NOTICE OF APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL
MANAGEMENT PROGRAMME**

Dear Ms. Bellusci

Thank you for your letter dated 11th February 2015.

I have taken note that this is an interim response while the process develops.

Please note that it is my opinion as a Civil Engineer who has worked in the field of discharging treated wastewater to a river, that "annual monitoring" is inadequate at this particular site. (I assume that "annual monitoring" means assessing the water quality of the river once a year.) The quarry is immediately adjacent the water course of the Vungu River (or Uvongo River) and the "works" actually straddle the river. In view of the reported poor water quality downstream from the quarry, I propose that a more regular monitoring programme be included in the revised EMP. I would like to see monitoring done on a weekly basis, and that sampling should be done while the quarry and the related crushers, etc are being operated. That is, it is my opinion that monitoring the river water quality when the "works" are idle will produce records that do not indicate the actual working conditions. To be fair to the quarry operations, monitoring should be done both upstream of the site and downstream for comparative records.

This comment is submitted in a spirit of co-operation.

Yours sincerely,

Richard A. Coke
Pr. Eng. No. 760149 (Retired)

Bellusci, Romi

From: Bellusci, Romi
Sent: 18 August 2015 01:59 PM
To: 'Rik Coke'
Subject: RE: SCSC amendment to EMPR
Attachments: 483383_SCSC_EMPR Feedback_jord_20150818.pdf

Dear Mr. Coke

Apologies for the delay in our response to you, the project was placed on hold due to a changes in legislation. Since our last correspondence with you specialist studies have been commissioned.

You had previously highlighted your concerns around the monitoring of water quality in the Vungu River, please note that an Aquatic and Terrestrial biodiversity Impact Assessment has been commissioned. This assessment and the specialist recommendation will be used to inform the monitoring requirements which will be included in the EMPr

You will be informed of the availability of the EMPr for your review and comments.

Please see attached letter for your attention.

Should you have any further queries or concerns, do not hesitate to contact me.

Regards,

Romi Bellusci BA Hons (Geography and Environmental Management)

Environmental Scientist



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From: Rik Coke [<mailto:rikandrab@gmail.com>]

Sent: 12 February 2015 10:14 PM

To: Bellusci, Romi

Subject: RE: SCSC amendment to EMPR

Dear Ms Bellusci,

Please find a letter dated 12 February 2015 attached.

Thank you for your help.

Richard Coke

From: Bellusci, Romi [<mailto:RBellusci@srk.co.za>]
Sent: 11 February 2015 08:37
To: Rik Coke (rikandrab@gmail.com)
Subject: SCSC amendment to EMPR

Dear Mr. Coke

Please see attached letter for your attention.

Regards,

Romi Bellusci *BA Hons (Geography and Environmental Management)*
Environmental Scientist



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18 August 2015
483383/jord/1508012

Attention: Interested and Affected Party

Dear Interested and Affected Party

Feedback on the Application for the Amendment to the Environmental Management Programme (EMPR) for South Coast Stone Crushers, Margate, KwaZulu-Natal

In November 2014 Interested and Affected Parties (IAP's) were notified of South Coast Stone Crushers' (SCSC's) intent to update the approved Environmental Management Programme Report (EMPR) for the Margate quarry. In addition, SCSC proposed to amend the EMPR to make provision for mining an additional area to the west of the quarry. The proposed update and revision of the EMPR were at that time, subject to the requirements of the Minerals and Petroleum Resources Development Act (No. 28 of 2002) (MPRDA).

The update of the EMPR is necessitated by the fact that the SCSC EMPR was last revised in 2000 and as such the information and management measures are outdated. The revision of the EMPR is necessitated as SCSC is proposing to extend the existing mining area by an additional 13 hectares in a westerly direction, in an effort to align the benches and optimise the available mine area.

On 04 December 2014 amendments to the National Environmental Management Act (No. 107 of 1998) (NEMA) and its associated Environmental Impact Assessment (EIA) Regulations were gazetted. The amendments had implications for the amendment of SCSC's EMPR as EMPR's for mines were previously subject to the requirements of the MPRDA, but are now subject to the requirements of the NEMA. The implication of the change is that the amendment to the EMPR will need to conform to the requirements as provided in Appendix 4 of the NEMA EIA Regulations. Under the MPRDA, an Environmental Management Programme Report (EMPR) referred to a single document in which impacts were assessed and an EMPR was documented. Under NEMA, the term Environmental Management Programme report (EMPr) refers to a stand-alone report documenting an EMPr following an assessment of all potential impacts. Although the legislation governing EMPR's/EMPr's has changed, the competent Authority remains the Department of Mineral Resources (DMR).

In order to clarify the legislative changes and associated requirements SRK Consulting (SRK) met with the DMR on 03 March 2015 to discuss the format for the update of the EMPR. It was decided that a single EMPr, which covers current operations and proposed extensions to the mine area (Appendix A), would be the most practical option. The compilation of a single updated EMPr, in the NEMA EMPr format will ensure uniformity in management and monitoring measures and eliminate user confusion brought about by two separate EMPR's under different sets of legislation.

Partners AH Bracken, MJ Braune, JM Brown, CD Dalglish, JR Dixon, BM Engelsman, R Gardiner, GC Howell, WC Joughin, DA Kilian, PR Labrum, BF Liber, DJ Mahlangu, RRW McNeill, HAC Meintjes, MJ Morris, GP Nel, VS Reddy, M Ristic, PE Schmidt, PJ Shepherd, MJ Sim, VM Simposya, AA Smithen, HFJ Theart, KM Uderstadt, AT van Zyl, DJ Venter, MD Wanless, ML Wertz, A Wood

Directors AJ Barrett, JR Dixon, GC Howell, V Maharaj, DJ Mahlangu, VS Reddy, PE Schmidt, PJ Shepherd

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Subsequent to the meeting with DMR, SCSC commissioned specialist studies to inform an Assessment Report to be compiled for the entire SCSC mining area. The specialist studies include an Aquatic and Terrestrial Biodiversity Impact Assessment and Wetland Delineation and Assessment. The consolidated Assessment Report will include the findings and recommendations of all specialist studies undertaken and the management and monitoring requirements will be included in the EMPr.

The final document that will be submitted to DMR will be an EMPr with the Assessment Report appended. The EMPr will be made available for public comment prior to being released to DMR for approval. All IAPs will be informed once the EMPr is available for comment.

Please do not hesitate to contact the undersigned should you have any queries or comments.

Yours faithfully,

SRK Consulting (South Africa) (Pty) Ltd



R. Bellusci
Environmental Scientist



W. Jordaan (Pr.Sci.Nat)
Principal Scientist

Appendix A: Maps



SOUTH COAST STONE CRUSHERS: PROGRESSIVE REHABILITATION MAP

Key:

- Current Mining Area
- Proposed Mining Area (2015- 2020)
- Proposed Mining Area (2020 – 2036)
- Rehabilitation Zone (2015)



Data Source:	
Scale: 1:25 000	
Projection: TM	Datum: 11164
Central Meridian/Zone: Lo 31	
Date: 18/11/2014	Compiled by: ALLK
Project No: 483383	Fig No: 1
Revision: A Date: 24/11/2014	

Appendix J: Environmental Policy



a member of  InterCement

ENVIRONMENTAL POLICY

OUR COMMITMENT TO THE ENVIRONMENT

South Coast Stone Crushers (PTY) Ltd. is committed to act responsibly and with due regard to the effects of its aggregate mining operations on the surrounding natural and social environments. South Coast Stone Crushers (PTY) Ltd. aims to achieve sustainable mining initiatives by utilising an internal environmental management system with a commitment to the continual improvement of this system and in ensuring continuous compliance with National Environmental Regulations.

In order to achieve this, **SOUTH COAST STONE CRUSHERS (PTY) Ltd.** is dedicated to:-

- Implementing and maintaining an ABOUT FACE RSA environmental management system based on the SANS 14001:2004 code of practice.
- Ensuring compliance with all relevant National, Provincial and Local Authority legislations and regulations as well as legislated national standards. We will evaluate our compliance status with environmental regulations, as well as health and safety standards on a yearly basis or when legislation or on-site activities change.
- Reducing waste and striving to conserve natural resources. We will strive to follow the principles of reduction, re-use and recycle, wherever feasible.
- Continually striving to prevent pollution resulting from our operations. We will employ pollution monitoring and prevention measures to minimize the impact of our operations on the environment. We will minimize risk to our employees and surrounding community by employing safe operating procedures and technologies and by incorporating emergency preparedness procedures.
- Promoting the communication of our health, safety and environmental matters to our employees. We will keep our community informed about our environmental performance and our environmental management system. This will expand to our clients and public as well.
- Maintaining open relations with employees, relevant authorities and all interested and affected parties.
- Ensuring that the relevant policy, procedures and data is available to all interested and affected parties.
- Evaluating compliance and effectiveness of the environmental management system through internal and external audits.

CHIEF EXECUTIVE OFFICER (CEO)

18/08/15
DATE



a member of  InterCement

ENVIRONMENTAL POLICY

OUR COMMITMENT TO THE ENVIRONMENT

Sterkspruit Aggregates (Pty) Ltd. is committed to act responsibly and with due regard to the effects of its aggregate mining operations on the surrounding natural and social environments. Sterkspruit Aggregates (Pty) Ltd. aims to achieve sustainable mining initiatives by utilising an internal environmental management system with a commitment to the continual improvement of this system and in ensuring continuous compliance with National Environmental Regulations.

In order to achieve this, **STERKSPRUIT AGGREGATES (PTY) Ltd.** is dedicated to:-

- Implementing and maintaining an ABOUT FACE RSA environmental management system based on the SANS 14001:2004 code of practice.
- Ensuring compliance with all relevant National, Provincial and Local Authority legislations and regulations as well as legislated national standards. We will evaluate our compliance status with environmental regulations, as well as health and safety standards on a yearly basis or when legislation or on-site activities change.
- Reducing waste and striving to conserve natural resources. We will strive to follow the principles of reduction, re-use and recycle, wherever feasible.
- Continually striving to prevent pollution resulting from our operations. We will employ pollution monitoring and prevention measures to minimize the impact of our operations on the environment. We will minimize risk to our employees and surrounding community by employing safe operating procedures and technologies and by incorporating emergency preparedness procedures.
- Promoting the communication of our health, safety and environmental matters to our employees. We will keep our community informed about our environmental performance and our environmental management system. This will expand to our clients and public as well.
- Maintaining open relations with employees, relevant authorities and all interested and affected parties.
- Ensuring that the relevant policy, procedures and data is available to all interested and affected parties.
- Evaluating compliance and effectiveness of the environmental management system through internal and external audits.

CHIEF EXECUTIVE OFFICER (CEO)

18/08/2015
DATE

Appendix K: Environmental Awareness Plan

ENVIRONMENTAL AWARENESS PLAN

There are growing concerns around a company's impact upon its surrounding environment. South Coast Stone Crushers (PTY) Ltd. subscribes to the 'triple bottom line' approach toward sustainable development and as such is required to care for its financial, social and environmental performance. Risks involved with neglecting the environment and South Coast Stone Crushers (PTY) Ltd.'s impacts thereupon are high and include amongst others: potential loss on trade, facing prosecution and/or clean-up costs should South Coast Stone Crushers (PTY) Ltd. be found guilty of pollution, spending money on redeeming South Coast Stone Crushers (PTY) Ltd.'s image in the eyes of an increasingly vigilant public. As a result of the visual impacts imposed by mining companies upon the environment, South Coast Stone Crushers (PTY) Ltd. may be seen as a key potential polluter in the public eye. It is, thus, in the interest of South Coast Stone Crushers (PTY) Ltd. that all measures be taken to reduce its impact upon the environment.

As part of the Minerals and Petroleum Development Act, 2002 (Act 28 of 2002), Section 39 (3) (c) requires the development of an environmental awareness plan which describes how South Coast Stone Crushers (PTY) Ltd. will inform it's employees of any environmental risks associated with their jobs. In addition, the company is to inform the employees of means of mitigating and preventing such environmental pollution.

As part of South Coast Stone Crushers (PTY) Ltd.'s environmental awareness plan, the following are undertaken:

- On employment into the company, it is mandatory that every individual is required to undergo Safety, Health and Environmental (SHE) training where he/she is made aware of the potential SHE risks associated with his/her job task. Employees are advised of how to reduce or mitigate the risk posed to the environment.
- Toolbox and 5-minute SHE talks are undertaken on a regular basis. These talks inform the employees of SHE risks and means of preventing and mitigating these risks.
- Individuals appointed as SHE representatives within the plant undergo formal SHE training. These individuals are designated to specific areas and are responsible for identifying environmental risks. These SHE representatives advise other employees of means of preventing and mitigating environmental risks. Overseeing the SHE representatives are SHE officers who report directly to plant management.
- Monthly SHE meetings, attended by plant management, environmental officer, SHE representatives and officers, provide a platform for employees to raise environmental concerns and risks. Any environmental transgressions or negative practices occurring are raised and management can make decisions which are fed back to plant staff.
- A monthly environmental meeting, attended by plant management, environmental officer, SHE consultant and SHE officer ensures that management is made aware of the environmental risks posed by the operation. Plant management will then feed-back

any relevant actions required to reduce environmental risks to plant staff. During this meeting, attendees are briefed on any relevant environmental legislation and the Environmental Management Programme is an item on the agenda.

- Environmental training is undertaken by the environmental officer and SHE officer. This training is comprehensive and is translated into Zulu if necessary. The training covers a range of topics from global warming, the need to protect the environment, environmental legislation, consequences of environmental transgressions and sustainable development in mining. The training includes photographic evidence of correct versus incorrect environmental practices.

In addition to these methods of education, there are a number of informal means of educating employees of their role in environmental protection including:

- Environmental posters and information booklets printed in both Zulu and English.
- Employees are trained on the operation's Environmental Policy. The Environmental Policy is revised each year and copies of the policy are displayed on notice boards.
- Environmental videos, environmental inductions
- Exhibitions and excursions such as the annual Beach clean-up.
- Environmental days such as Arbor Day. For Arbor Day, employees participate in tree-planting ceremonies and are given trees or shrubs to take home and plant.
- The education of employees on environmental awareness and environmental procedures
- Environmental audits, undertaken by Aggregate and Sand Producers Association of South Africa (ASPASA), South African Ready Mix Association (SARMA) and Department of Minerals and Energy also add to environmental awareness at the plant. Plant management provides incentives for good performance at environmental audits.
- Each year, a week is dedicated to Safety Health and Environmental issues on site. This campaign is called SIPAT. During SIPAT, burning environmental topics are placed on the forefront and presented are given to employees as part of training and awareness initiatives.